

ANDREWS DORCAS IGH1

Chemical Engineering

17/ENG01/033

commandwindow

clear

clc

syms t

$x = -0.1 \cdot \exp(-2 \cdot t) + 0.1 \cdot \exp(-3 \cdot t) + 0.1 \cdot \cos(t) + 0.1 \cdot \sin(t)$

tn = [0:0.01:15]

xn = subs(x,tn)

figure(1)

plot(tn,xn)

xlabel('DISTANCE')

ylabel('TIME')

axis tight

grid on

grid minor

ANSWER

x =

$\exp(-3 \cdot t)/10 - \exp(-2 \cdot t)/10 + \cos(t)/10 + \sin(t)/10$

tn =

Columns 1 through 9

0 0.0100 0.0200 0.0300 0.0400 0.0500 0.0600 0.0700 0.0800

Columns 10 through 18

0.0900 0.1000 0.1100 0.1200 0.1300 0.1400 0.1500 0.1600 0.1700

Columns 19 through 27

0.1800 0.1900 0.2000 0.2100 0.2200 0.2300 0.2400 0.2500 0.2600

Columns 28 through 36

0.2700 0.2800 0.2900 0.3000 0.3100 0.3200 0.3300 0.3400 0.3500

Columns 37 through 45

0.3600 0.3700 0.3800 0.3900 0.4000 0.4100 0.4200 0.4300 0.4400

Columns 46 through 54

0.4500 0.4600 0.4700 0.4800 0.4900 0.5000 0.5100 0.5200 0.5300

Columns 55 through 63

0.5400 0.5500 0.5600 0.5700 0.5800 0.5900 0.6000 0.6100 0.6200

Columns 64 through 72

0.6300 0.6400 0.6500 0.6600 0.6700 0.6800 0.6900 0.7000 0.7100

Columns 73 through 81

0.7200 0.7300 0.7400 0.7500 0.7600 0.7700 0.7800 0.7900 0.8000

Columns 82 through 90

0.8100 0.8200 0.8300 0.8400 0.8500 0.8600 0.8700 0.8800 0.8900

Columns 91 through 99

0.9000 0.9100 0.9200 0.9300 0.9400 0.9500 0.9600 0.9700 0.9800

Columns 100 through 108

0.9900 1.0000 1.0100 1.0200 1.0300 1.0400 1.0500 1.0600 1.0700

Columns 109 through 117

1.0800 1.0900 1.1000 1.1100 1.1200 1.1300 1.1400 1.1500 1.1600

Columns 118 through 126

1.1700 1.1800 1.1900 1.2000 1.2100 1.2200 1.2300 1.2400 1.2500

Columns 127 through 135

1.2600 1.2700 1.2800 1.2900 1.3000 1.3100 1.3200 1.3300 1.3400

Columns 136 through 144

1.3500 1.3600 1.3700 1.3800 1.3900 1.4000 1.4100 1.4200 1.4300

Columns 145 through 153

1.4400 1.4500 1.4600 1.4700 1.4800 1.4900 1.5000 1.5100 1.5200

Columns 154 through 162

1.5300 1.5400 1.5500 1.5600 1.5700 1.5800 1.5900 1.6000 1.6100

Columns 163 through 171

1.6200 1.6300 1.6400 1.6500 1.6600 1.6700 1.6800 1.6900 1.7000

Columns 172 through 180

1.7100 1.7200 1.7300 1.7400 1.7500 1.7600 1.7700 1.7800 1.7900

Columns 181 through 189

1.8000 1.8100 1.8200 1.8300 1.8400 1.8500 1.8600 1.8700 1.8800

Columns 190 through 198

1.8900 1.9000 1.9100 1.9200 1.9300 1.9400 1.9500 1.9600 1.9700

Columns 199 through 207

1.9800 1.9900 2.0000 2.0100 2.0200 2.0300 2.0400 2.0500 2.0600

Columns 208 through 216

2.0700 2.0800 2.0900 2.1000 2.1100 2.1200 2.1300 2.1400 2.1500

Columns 217 through 225

2.1600 2.1700 2.1800 2.1900 2.2000 2.2100 2.2200 2.2300 2.2400

Columns 226 through 234

2.2500 2.2600 2.2700 2.2800 2.2900 2.3000 2.3100 2.3200 2.3300

Columns 235 through 243

2.3400 2.3500 2.3600 2.3700 2.3800 2.3900 2.4000 2.4100 2.4200

Columns 244 through 252

2.4300 2.4400 2.4500 2.4600 2.4700 2.4800 2.4900 2.5000 2.5100

Columns 253 through 261

2.5200 2.5300 2.5400 2.5500 2.5600 2.5700 2.5800 2.5900 2.6000

Columns 262 through 270

2.6100 2.6200 2.6300 2.6400 2.6500 2.6600 2.6700 2.6800 2.6900

Columns 271 through 279

2.7000 2.7100 2.7200 2.7300 2.7400 2.7500 2.7600 2.7700 2.7800

Columns 280 through 288

2.7900 2.8000 2.8100 2.8200 2.8300 2.8400 2.8500 2.8600 2.8700

Columns 289 through 297

2.8800 2.8900 2.9000 2.9100 2.9200 2.9300 2.9400 2.9500 2.9600

Columns 298 through 306

2.9700 2.9800 2.9900 3.0000 3.0100 3.0200 3.0300 3.0400 3.0500

Columns 307 through 315

3.0600 3.0700 3.0800 3.0900 3.1000 3.1100 3.1200 3.1300 3.1400

Columns 316 through 324

3.1500 3.1600 3.1700 3.1800 3.1900 3.2000 3.2100 3.2200 3.2300

Columns 325 through 333

3.2400 3.2500 3.2600 3.2700 3.2800 3.2900 3.3000 3.3100 3.3200

Columns 334 through 342

3.3300 3.3400 3.3500 3.3600 3.3700 3.3800 3.3900 3.4000 3.4100

Columns 343 through 351

3.4200 3.4300 3.4400 3.4500 3.4600 3.4700 3.4800 3.4900 3.5000

Columns 352 through 360

3.5100 3.5200 3.5300 3.5400 3.5500 3.5600 3.5700 3.5800 3.5900

Columns 361 through 369

3.6000 3.6100 3.6200 3.6300 3.6400 3.6500 3.6600 3.6700 3.6800

Columns 370 through 378

3.6900 3.7000 3.7100 3.7200 3.7300 3.7400 3.7500 3.7600 3.7700

Columns 379 through 387

3.7800 3.7900 3.8000 3.8100 3.8200 3.8300 3.8400 3.8500 3.8600

Columns 388 through 396

3.8700 3.8800 3.8900 3.9000 3.9100 3.9200 3.9300 3.9400 3.9500

Columns 397 through 405

3.9600 3.9700 3.9800 3.9900 4.0000 4.0100 4.0200 4.0300 4.0400

Columns 406 through 414

4.0500 4.0600 4.0700 4.0800 4.0900 4.1000 4.1100 4.1200 4.1300

Columns 415 through 423

4.1400 4.1500 4.1600 4.1700 4.1800 4.1900 4.2000 4.2100 4.2200

Columns 424 through 432

4.2300 4.2400 4.2500 4.2600 4.2700 4.2800 4.2900 4.3000 4.3100

Columns 433 through 441

4.3200 4.3300 4.3400 4.3500 4.3600 4.3700 4.3800 4.3900 4.4000

Columns 442 through 450

4.4100 4.4200 4.4300 4.4400 4.4500 4.4600 4.4700 4.4800 4.4900

Columns 451 through 459

4.5000 4.5100 4.5200 4.5300 4.5400 4.5500 4.5600 4.5700 4.5800

Columns 460 through 468

4.5900 4.6000 4.6100 4.6200 4.6300 4.6400 4.6500 4.6600 4.6700

Columns 469 through 477

4.6800 4.6900 4.7000 4.7100 4.7200 4.7300 4.7400 4.7500 4.7600

Columns 478 through 486

4.7700 4.7800 4.7900 4.8000 4.8100 4.8200 4.8300 4.8400 4.8500

Columns 487 through 495

4.8600 4.8700 4.8800 4.8900 4.9000 4.9100 4.9200 4.9300 4.9400

Columns 496 through 504

4.9500 4.9600 4.9700 4.9800 4.9900 5.0000 5.0100 5.0200 5.0300

Columns 505 through 513

5.0400 5.0500 5.0600 5.0700 5.0800 5.0900 5.1000 5.1100 5.1200

Columns 514 through 522

5.1300 5.1400 5.1500 5.1600 5.1700 5.1800 5.1900 5.2000 5.2100

Columns 523 through 531

5.2200 5.2300 5.2400 5.2500 5.2600 5.2700 5.2800 5.2900 5.3000

Columns 532 through 540

5.3100 5.3200 5.3300 5.3400 5.3500 5.3600 5.3700 5.3800 5.3900

Columns 541 through 549

5.4000 5.4100 5.4200 5.4300 5.4400 5.4500 5.4600 5.4700 5.4800

Columns 550 through 558

5.4900 5.5000 5.5100 5.5200 5.5300 5.5400 5.5500 5.5600 5.5700

Columns 559 through 567

5.5800 5.5900 5.6000 5.6100 5.6200 5.6300 5.6400 5.6500 5.6600

Columns 568 through 576

5.6700 5.6800 5.6900 5.7000 5.7100 5.7200 5.7300 5.7400 5.7500

Columns 577 through 585

5.7600 5.7700 5.7800 5.7900 5.8000 5.8100 5.8200 5.8300 5.8400

Columns 586 through 594

5.8500 5.8600 5.8700 5.8800 5.8900 5.9000 5.9100 5.9200 5.9300

Columns 595 through 603

5.9400 5.9500 5.9600 5.9700 5.9800 5.9900 6.0000 6.0100 6.0200

Columns 604 through 612

6.0300 6.0400 6.0500 6.0600 6.0700 6.0800 6.0900 6.1000 6.1100

Columns 613 through 621

6.1200 6.1300 6.1400 6.1500 6.1600 6.1700 6.1800 6.1900 6.2000

Columns 622 through 630

6.2100 6.2200 6.2300 6.2400 6.2500 6.2600 6.2700 6.2800 6.2900

Columns 631 through 639

6.3000 6.3100 6.3200 6.3300 6.3400 6.3500 6.3600 6.3700 6.3800

Columns 640 through 648

6.3900 6.4000 6.4100 6.4200 6.4300 6.4400 6.4500 6.4600 6.4700

Columns 649 through 657

6.4800 6.4900 6.5000 6.5100 6.5200 6.5300 6.5400 6.5500 6.5600

Columns 658 through 666

6.5700 6.5800 6.5900 6.6000 6.6100 6.6200 6.6300 6.6400 6.6500

Columns 667 through 675

6.6600 6.6700 6.6800 6.6900 6.7000 6.7100 6.7200 6.7300 6.7400

Columns 676 through 684

6.7500 6.7600 6.7700 6.7800 6.7900 6.8000 6.8100 6.8200 6.8300

Columns 685 through 693

6.8400 6.8500 6.8600 6.8700 6.8800 6.8900 6.9000 6.9100 6.9200

Columns 694 through 702

6.9300 6.9400 6.9500 6.9600 6.9700 6.9800 6.9900 7.0000 7.0100

Columns 703 through 711

7.0200 7.0300 7.0400 7.0500 7.0600 7.0700 7.0800 7.0900 7.1000

Columns 712 through 720

7.1100 7.1200 7.1300 7.1400 7.1500 7.1600 7.1700 7.1800 7.1900

Columns 721 through 729

7.2000 7.2100 7.2200 7.2300 7.2400 7.2500 7.2600 7.2700 7.2800

Columns 730 through 738

7.2900 7.3000 7.3100 7.3200 7.3300 7.3400 7.3500 7.3600 7.3700

Columns 739 through 747

7.3800 7.3900 7.4000 7.4100 7.4200 7.4300 7.4400 7.4500 7.4600

Columns 748 through 756

7.4700 7.4800 7.4900 7.5000 7.5100 7.5200 7.5300 7.5400 7.5500

Columns 757 through 765

7.5600 7.5700 7.5800 7.5900 7.6000 7.6100 7.6200 7.6300 7.6400

Columns 766 through 774

7.6500 7.6600 7.6700 7.6800 7.6900 7.7000 7.7100 7.7200 7.7300

Columns 775 through 783

7.7400 7.7500 7.7600 7.7700 7.7800 7.7900 7.8000 7.8100 7.8200

Columns 784 through 792

7.8300 7.8400 7.8500 7.8600 7.8700 7.8800 7.8900 7.9000 7.9100

Columns 793 through 801

7.9200 7.9300 7.9400 7.9500 7.9600 7.9700 7.9800 7.9900 8.0000

Columns 802 through 810

8.0100 8.0200 8.0300 8.0400 8.0500 8.0600 8.0700 8.0800 8.0900

Columns 811 through 819

8.1000 8.1100 8.1200 8.1300 8.1400 8.1500 8.1600 8.1700 8.1800

Columns 820 through 828

8.1900 8.2000 8.2100 8.2200 8.2300 8.2400 8.2500 8.2600 8.2700

Columns 829 through 837

8.2800 8.2900 8.3000 8.3100 8.3200 8.3300 8.3400 8.3500 8.3600

Columns 838 through 846

8.3700 8.3800 8.3900 8.4000 8.4100 8.4200 8.4300 8.4400 8.4500

Columns 847 through 855

8.4600 8.4700 8.4800 8.4900 8.5000 8.5100 8.5200 8.5300 8.5400

Columns 856 through 864

8.5500 8.5600 8.5700 8.5800 8.5900 8.6000 8.6100 8.6200 8.6300

Columns 865 through 873

8.6400 8.6500 8.6600 8.6700 8.6800 8.6900 8.7000 8.7100 8.7200

Columns 874 through 882

8.7300 8.7400 8.7500 8.7600 8.7700 8.7800 8.7900 8.8000 8.8100

Columns 883 through 891

8.8200 8.8300 8.8400 8.8500 8.8600 8.8700 8.8800 8.8900 8.9000

Columns 892 through 900

8.9100 8.9200 8.9300 8.9400 8.9500 8.9600 8.9700 8.9800 8.9900

Columns 901 through 909

9.0000 9.0100 9.0200 9.0300 9.0400 9.0500 9.0600 9.0700 9.0800

Columns 910 through 918

9.0900 9.1000 9.1100 9.1200 9.1300 9.1400 9.1500 9.1600 9.1700

Columns 919 through 927

9.1800 9.1900 9.2000 9.2100 9.2200 9.2300 9.2400 9.2500 9.2600

Columns 928 through 936

9.2700 9.2800 9.2900 9.3000 9.3100 9.3200 9.3300 9.3400 9.3500

Columns 937 through 945

9.3600 9.3700 9.3800 9.3900 9.4000 9.4100 9.4200 9.4300 9.4400

Columns 946 through 954

9.4500 9.4600 9.4700 9.4800 9.4900 9.5000 9.5100 9.5200 9.5300

Columns 955 through 963

9.5400 9.5500 9.5600 9.5700 9.5800 9.5900 9.6000 9.6100 9.6200

Columns 964 through 972

9.6300 9.6400 9.6500 9.6600 9.6700 9.6800 9.6900 9.7000 9.7100

Columns 973 through 981

9.7200 9.7300 9.7400 9.7500 9.7600 9.7700 9.7800 9.7900 9.8000

Columns 982 through 990

9.8100 9.8200 9.8300 9.8400 9.8500 9.8600 9.8700 9.8800 9.8900

Columns 991 through 999

9.9000 9.9100 9.9200 9.9300 9.9400 9.9500 9.9600 9.9700 9.9800

Columns 1000 through 1008

9.9900 10.0000 10.0100 10.0200 10.0300 10.0400 10.0500 10.0600 10.0700

Columns 1009 through 1017

10.0800 10.0900 10.1000 10.1100 10.1200 10.1300 10.1400 10.1500 10.1600

Columns 1018 through 1026

10.1700 10.1800 10.1900 10.2000 10.2100 10.2200 10.2300 10.2400 10.2500

Columns 1027 through 1035

10.2600 10.2700 10.2800 10.2900 10.3000 10.3100 10.3200 10.3300 10.3400

Columns 1036 through 1044

10.3500 10.3600 10.3700 10.3800 10.3900 10.4000 10.4100 10.4200 10.4300

Columns 1045 through 1053

10.4400 10.4500 10.4600 10.4700 10.4800 10.4900 10.5000 10.5100 10.5200

Columns 1054 through 1062

10.5300 10.5400 10.5500 10.5600 10.5700 10.5800 10.5900 10.6000 10.6100

Columns 1063 through 1071

10.6200 10.6300 10.6400 10.6500 10.6600 10.6700 10.6800 10.6900 10.7000

Columns 1072 through 1080

10.7100 10.7200 10.7300 10.7400 10.7500 10.7600 10.7700 10.7800 10.7900

Columns 1081 through 1089

10.8000 10.8100 10.8200 10.8300 10.8400 10.8500 10.8600 10.8700 10.8800

Columns 1090 through 1098

10.8900 10.9000 10.9100 10.9200 10.9300 10.9400 10.9500 10.9600 10.9700

Columns 1099 through 1107

10.9800 10.9900 11.0000 11.0100 11.0200 11.0300 11.0400 11.0500 11.0600

Columns 1108 through 1116

11.0700 11.0800 11.0900 11.1000 11.1100 11.1200 11.1300 11.1400 11.1500

Columns 1117 through 1125

11.1600 11.1700 11.1800 11.1900 11.2000 11.2100 11.2200 11.2300 11.2400

Columns 1126 through 1134

11.2500 11.2600 11.2700 11.2800 11.2900 11.3000 11.3100 11.3200 11.3300

Columns 1135 through 1143

11.3400 11.3500 11.3600 11.3700 11.3800 11.3900 11.4000 11.4100 11.4200

Columns 1144 through 1152

11.4300 11.4400 11.4500 11.4600 11.4700 11.4800 11.4900 11.5000 11.5100

Columns 1153 through 1161

11.5200 11.5300 11.5400 11.5500 11.5600 11.5700 11.5800 11.5900 11.6000

Columns 1162 through 1170

11.6100 11.6200 11.6300 11.6400 11.6500 11.6600 11.6700 11.6800 11.6900

Columns 1171 through 1179

11.7000 11.7100 11.7200 11.7300 11.7400 11.7500 11.7600 11.7700 11.7800

Columns 1180 through 1188

11.7900 11.8000 11.8100 11.8200 11.8300 11.8400 11.8500 11.8600 11.8700

Columns 1189 through 1197

11.8800 11.8900 11.9000 11.9100 11.9200 11.9300 11.9400 11.9500 11.9600

Columns 1198 through 1206

11.9700 11.9800 11.9900 12.0000 12.0100 12.0200 12.0300 12.0400 12.0500

Columns 1207 through 1215

12.0600 12.0700 12.0800 12.0900 12.1000 12.1100 12.1200 12.1300 12.1400

Columns 1216 through 1224

12.1500 12.1600 12.1700 12.1800 12.1900 12.2000 12.2100 12.2200 12.2300

Columns 1225 through 1233

12.2400 12.2500 12.2600 12.2700 12.2800 12.2900 12.3000 12.3100 12.3200

Columns 1234 through 1242

12.3300 12.3400 12.3500 12.3600 12.3700 12.3800 12.3900 12.4000 12.4100

Columns 1243 through 1251

12.4200 12.4300 12.4400 12.4500 12.4600 12.4700 12.4800 12.4900 12.5000

Columns 1252 through 1260

12.5100 12.5200 12.5300 12.5400 12.5500 12.5600 12.5700 12.5800 12.5900

Columns 1261 through 1269

12.6000 12.6100 12.6200 12.6300 12.6400 12.6500 12.6600 12.6700 12.6800

Columns 1270 through 1278

12.6900 12.7000 12.7100 12.7200 12.7300 12.7400 12.7500 12.7600 12.7700

Columns 1279 through 1287

12.7800 12.7900 12.8000 12.8100 12.8200 12.8300 12.8400 12.8500 12.8600

Columns 1288 through 1296

12.8700 12.8800 12.8900 12.9000 12.9100 12.9200 12.9300 12.9400 12.9500

Columns 1297 through 1305

12.9600 12.9700 12.9800 12.9900 13.0000 13.0100 13.0200 13.0300 13.0400

Columns 1306 through 1314

13.0500 13.0600 13.0700 13.0800 13.0900 13.1000 13.1100 13.1200 13.1300

Columns 1315 through 1323

13.1400 13.1500 13.1600 13.1700 13.1800 13.1900 13.2000 13.2100 13.2200

Columns 1324 through 1332

13.2300 13.2400 13.2500 13.2600 13.2700 13.2800 13.2900 13.3000 13.3100

Columns 1333 through 1341

13.3200 13.3300 13.3400 13.3500 13.3600 13.3700 13.3800 13.3900 13.4000

Columns 1342 through 1350

13.4100 13.4200 13.4300 13.4400 13.4500 13.4600 13.4700 13.4800 13.4900

Columns 1351 through 1359

13.5000 13.5100 13.5200 13.5300 13.5400 13.5500 13.5600 13.5700 13.5800

Columns 1360 through 1368

13.5900 13.6000 13.6100 13.6200 13.6300 13.6400 13.6500 13.6600 13.6700

Columns 1369 through 1377

13.6800 13.6900 13.7000 13.7100 13.7200 13.7300 13.7400 13.7500 13.7600

Columns 1378 through 1386

13.7700 13.7800 13.7900 13.8000 13.8100 13.8200 13.8300 13.8400 13.8500

Columns 1387 through 1395

13.8600 13.8700 13.8800 13.8900 13.9000 13.9100 13.9200 13.9300 13.9400

Columns 1396 through 1404

13.9500 13.9600 13.9700 13.9800 13.9900 14.0000 14.0100 14.0200 14.0300

Columns 1405 through 1413

14.0400 14.0500 14.0600 14.0700 14.0800 14.0900 14.1000 14.1100 14.1200

Columns 1414 through 1422

14.1300 14.1400 14.1500 14.1600 14.1700 14.1800 14.1900 14.2000 14.2100

Columns 1423 through 1431

14.2200 14.2300 14.2400 14.2500 14.2600 14.2700 14.2800 14.2900 14.3000

Columns 1432 through 1440

14.3100 14.3200 14.3300 14.3400 14.3500 14.3600 14.3700 14.3800 14.3900

Columns 1441 through 1449

14.4000 14.4100 14.4200 14.4300 14.4400 14.4500 14.4600 14.4700 14.4800

Columns 1450 through 1458

14.4900 14.5000 14.5100 14.5200 14.5300 14.5400 14.5500 14.5600 14.5700

Columns 1459 through 1467

14.5800 14.5900 14.6000 14.6100 14.6200 14.6300 14.6400 14.6500 14.6600

Columns 1468 through 1476

14.6700 14.6800 14.6900 14.7000 14.7100 14.7200 14.7300 14.7400 14.7500

Columns 1477 through 1485

14.7600 14.7700 14.7800 14.7900 14.8000 14.8100 14.8200 14.8300 14.8400

Columns 1486 through 1494

14.8500 14.8600 14.8700 14.8800 14.8900 14.9000 14.9100 14.9200 14.9300

Columns 1495 through 1501

14.9400 14.9500 14.9600 14.9700 14.9800 14.9900 15.0000

xn =

[1/10, cos(1/100)/10 - exp(-1/50)/10 + exp(-3/100)/10 + sin(1/100)/10, cos(1/50)/10 - exp(-1/25)/10 + exp(-3/50)/10 + sin(1/50)/10, cos(3/100)/10 - exp(-3/50)/10 + exp(-9/100)/10 + sin(3/100)/10, cos(1/25)/10 - exp(-2/25)/10 + exp(-3/25)/10 + sin(1/25)/10, cos(1/20)/10 - exp(-1/10)/10 + exp(-3/20)/10 + sin(1/20)/10, cos(3/50)/10 - exp(-3/25)/10 + exp(-9/50)/10 + sin(3/50)/10, cos(7/100)/10 - exp(-7/50)/10 + exp(-21/100)/10 + sin(7/100)/10, cos(2/25)/10 - exp(-4/25)/10 + exp(-6/25)/10 +

$\sin(2/25)/10, \cos(9/100)/10 - \exp(-9/50)/10 + \exp(-27/100)/10 + \sin(9/100)/10, \cos(1/10)/10 - \exp(-1/5)/10 + \exp(-3/10)/10 + \sin(1/10)/10, \cos(11/100)/10 - \exp(-11/50)/10 + \exp(-33/100)/10 + \sin(11/100)/10, \cos(3/25)/10 - \exp(-6/25)/10 + \exp(-9/25)/10 + \sin(3/25)/10, \cos(13/100)/10 - \exp(-13/50)/10 + \exp(-39/100)/10 + \sin(13/100)/10, \cos(7/50)/10 - \exp(-7/25)/10 + \exp(-21/50)/10 + \sin(7/50)/10, \cos(3/20)/10 - \exp(-3/10)/10 + \exp(-9/20)/10 + \sin(3/20)/10, \cos(4/25)/10 - \exp(-8/25)/10 + \exp(-12/25)/10 + \sin(4/25)/10, \cos(17/100)/10 - \exp(-17/50)/10 + \exp(-51/100)/10 + \sin(17/100)/10, \cos(9/50)/10 - \exp(-9/25)/10 + \exp(-27/50)/10 + \sin(9/50)/10, \cos(19/100)/10 - \exp(-19/50)/10 + \exp(-57/100)/10 + \sin(19/100)/10, \cos(1/5)/10 - \exp(-2/5)/10 + \exp(-3/5)/10 + \sin(1/5)/10, \cos(21/100)/10 - \exp(-21/50)/10 + \exp(-63/100)/10 + \sin(21/100)/10, \cos(11/50)/10 - \exp(-11/25)/10 + \exp(-33/50)/10 + \sin(11/50)/10, \cos(23/100)/10 - \exp(-23/50)/10 + \exp(-69/100)/10 + \sin(23/100)/10, \cos(6/25)/10 - \exp(-12/25)/10 + \exp(-18/25)/10 + \sin(6/25)/10, \cos(1/4)/10 - \exp(-1/2)/10 + \exp(-3/4)/10 + \sin(1/4)/10, \cos(13/50)/10 - \exp(-13/25)/10 + \exp(-39/50)/10 + \sin(13/50)/10, \cos(27/100)/10 - \exp(-27/50)/10 + \exp(-81/100)/10 + \sin(27/100)/10, \cos(7/25)/10 - \exp(-14/25)/10 + \exp(-21/25)/10 + \sin(7/25)/10, \cos(29/100)/10 - \exp(-29/50)/10 + \exp(-87/100)/10 + \sin(29/100)/10, \cos(3/10)/10 - \exp(-3/5)/10 + \exp(-9/10)/10 + \sin(3/10)/10, \cos(31/100)/10 - \exp(-31/50)/10 + \exp(-93/100)/10 + \sin(31/100)/10, \cos(8/25)/10 - \exp(-16/25)/10 + \exp(-24/25)/10 + \sin(8/25)/10, \cos(33/100)/10 - \exp(-33/50)/10 + \exp(-99/100)/10 + \sin(33/100)/10, \cos(17/50)/10 - \exp(-17/25)/10 + \exp(-51/50)/10 + \sin(17/50)/10, \cos(7/20)/10 - \exp(-7/10)/10 + \exp(-21/20)/10 + \sin(7/20)/10, \cos(9/25)/10 - \exp(-18/25)/10 + \exp(-27/25)/10 + \sin(9/25)/10, \cos(37/100)/10 - \exp(-37/50)/10 + \exp(-111/100)/10 + \sin(37/100)/10, \cos(19/50)/10 - \exp(-19/25)/10 + \exp(-57/50)/10 + \sin(19/50)/10, \cos(39/100)/10 - \exp(-39/50)/10 + \exp(-117/100)/10 + \sin(39/100)/10, \cos(2/5)/10 - \exp(-4/5)/10 + \exp(-6/5)/10 + \sin(2/5)/10, \cos(41/100)/10 - \exp(-41/50)/10 + \exp(-123/100)/10 + \sin(41/100)/10, \cos(21/50)/10 - \exp(-21/25)/10 + \exp(-63/50)/10 + \sin(21/50)/10, \cos(43/100)/10 - \exp(-43/50)/10 + \exp(-129/100)/10 + \sin(43/100)/10, \cos(11/25)/10 - \exp(-22/25)/10 + \exp(-33/25)/10 + \sin(11/25)/10, \cos(9/20)/10 - \exp(-9/10)/10 + \exp(-27/20)/10 + \sin(9/20)/10, \cos(23/50)/10 - \exp(-23/25)/10 + \exp(-69/50)/10 + \sin(23/50)/10, \cos(47/100)/10 - \exp(-47/50)/10 + \exp(-141/100)/10 + \sin(47/100)/10, \cos(12/25)/10 - \exp(-24/25)/10 + \exp(-36/25)/10 + \sin(12/25)/10, \cos(49/100)/10 - \exp(-49/50)/10 + \exp(-147/100)/10 + \sin(49/100)/10, \cos(1/2)/10 - \exp(-1)/10 + \exp(-3/2)/10 + \sin(1/2)/10, \cos(51/100)/10 - \exp(-51/50)/10 + \exp(-153/100)/10 + \sin(51/100)/10, \cos(13/25)/10 - \exp(-26/25)/10 + \exp(-39/25)/10 + \sin(13/25)/10, \cos(53/100)/10 - \exp(-53/50)/10 + \exp(-159/100)/10 + \sin(53/100)/10, \cos(27/50)/10 - \exp(-27/25)/10 + \exp(-81/50)/10 + \sin(27/50)/10, \cos(11/20)/10 - \exp(-11/10)/10 + \exp(-33/20)/10 + \sin(11/20)/10, \cos(14/25)/10 - \exp(-28/25)/10 + \exp(-42/25)/10 + \sin(14/25)/10, \cos(57/100)/10 - \exp(-57/50)/10 + \exp(-171/100)/10 + \sin(57/100)/10, \cos(29/50)/10 - \exp(-29/25)/10 + \exp(-87/50)/10 + \sin(29/50)/10, \cos(59/100)/10 - \exp(-59/50)/10 + \exp(-177/100)/10 + \sin(59/100)/10, \cos(3/5)/10 - \exp(-6/5)/10 + \exp(-9/5)/10 + \sin(3/5)/10, \cos(61/100)/10 - \exp(-61/50)/10 + \exp(-183/100)/10 + \sin(61/100)/10, \cos(31/50)/10 - \exp(-31/25)/10 + \exp(-93/50)/10 + \sin(31/50)/10, \cos(63/100)/10 - \exp(-63/50)/10 + \exp(-189/100)/10 + \sin(63/100)/10, \cos(16/25)/10 - \exp(-32/25)/10 + \exp(-48/25)/10 + \sin(16/25)/10, \cos(13/20)/10 - \exp(-13/10)/10 + \exp(-39/20)/10 + \sin(13/20)/10, \cos(33/50)/10 - \exp(-33/25)/10 + \exp(-99/50)/10 + \sin(33/50)/10, \cos(67/100)/10 - \exp(-67/50)/10 + \exp(-201/100)/10 + \sin(67/100)/10, \cos(17/25)/10 - \exp(-34/25)/10 + \exp(-51/25)/10 + \sin(17/25)/10, \cos(69/100)/10 - \exp(-69/50)/10 + \exp(-207/100)/10 + \sin(69/100)/10, \cos(7/10)/10 - \exp(-7/5)/10 + \exp(-21/10)/10 + \sin(7/10)/10, \cos(71/100)/10 - \exp(-71/50)/10 + \exp(-213/100)/10 + \sin(71/100)/10, \cos(18/25)/10 - \exp(-36/25)/10 +$

$\exp(-54/25)/10 + \sin(18/25)/10, \cos(73/100)/10 - \exp(-73/50)/10 + \exp(-219/100)/10 + \sin(73/100)/10,$
 $\cos(37/50)/10 - \exp(-37/25)/10 + \exp(-111/50)/10 + \sin(37/50)/10, \cos(3/4)/10 - \exp(-3/2)/10 + \exp(-$
 $9/4)/10 + \sin(3/4)/10, \cos(19/25)/10 - \exp(-38/25)/10 + \exp(-57/25)/10 + \sin(19/25)/10, \cos(77/100)/10$
 $- \exp(-77/50)/10 + \exp(-231/100)/10 + \sin(77/100)/10, \cos(39/50)/10 - \exp(-39/25)/10 + \exp(-$
 $117/50)/10 + \sin(39/50)/10, \cos(79/100)/10 - \exp(-79/50)/10 + \exp(-237/100)/10 + \sin(79/100)/10,$
 $\cos(4/5)/10 - \exp(-8/5)/10 + \exp(-12/5)/10 + \sin(4/5)/10, \cos(81/100)/10 - \exp(-81/50)/10 + \exp(-$
 $243/100)/10 + \sin(81/100)/10, \cos(41/50)/10 - \exp(-41/25)/10 + \exp(-123/50)/10 + \sin(41/50)/10,$
 $\cos(83/100)/10 - \exp(-83/50)/10 + \exp(-249/100)/10 + \sin(83/100)/10, \cos(21/25)/10 - \exp(-42/25)/10 +$
 $\exp(-63/25)/10 + \sin(21/25)/10, \cos(17/20)/10 - \exp(-17/10)/10 + \exp(-51/20)/10 + \sin(17/20)/10,$
 $\cos(43/50)/10 - \exp(-43/25)/10 + \exp(-129/50)/10 + \sin(43/50)/10, \cos(87/100)/10 - \exp(-87/50)/10 +$
 $\exp(-261/100)/10 + \sin(87/100)/10, \cos(22/25)/10 - \exp(-44/25)/10 + \exp(-66/25)/10 + \sin(22/25)/10,$
 $\cos(89/100)/10 - \exp(-89/50)/10 + \exp(-267/100)/10 + \sin(89/100)/10, \cos(9/10)/10 - \exp(-9/5)/10 +$
 $\exp(-27/10)/10 + \sin(9/10)/10, \cos(91/100)/10 - \exp(-91/50)/10 + \exp(-273/100)/10 + \sin(91/100)/10,$
 $\cos(23/25)/10 - \exp(-46/25)/10 + \exp(-69/25)/10 + \sin(23/25)/10, \cos(93/100)/10 - \exp(-93/50)/10 +$
 $\exp(-279/100)/10 + \sin(93/100)/10, \cos(47/50)/10 - \exp(-47/25)/10 + \exp(-141/50)/10 + \sin(47/50)/10,$
 $\cos(19/20)/10 - \exp(-19/10)/10 + \exp(-57/20)/10 + \sin(19/20)/10, \cos(24/25)/10 - \exp(-48/25)/10 + \exp(-$
 $72/25)/10 + \sin(24/25)/10, \cos(97/100)/10 - \exp(-97/50)/10 + \exp(-291/100)/10 + \sin(97/100)/10,$
 $\cos(49/50)/10 - \exp(-49/25)/10 + \exp(-147/50)/10 + \sin(49/50)/10, \cos(99/100)/10 - \exp(-99/50)/10 +$
 $\exp(-297/100)/10 + \sin(99/100)/10, \cos(1)/10 - \exp(-2)/10 + \exp(-3)/10 + \sin(1)/10, \cos(101/100)/10 -$
 $\exp(-101/50)/10 + \exp(-303/100)/10 + \sin(101/100)/10, \cos(51/50)/10 - \exp(-51/25)/10 + \exp(-$
 $153/50)/10 + \sin(51/50)/10, \cos(103/100)/10 - \exp(-103/50)/10 + \exp(-309/100)/10 + \sin(103/100)/10,$
 $\cos(26/25)/10 - \exp(-52/25)/10 + \exp(-78/25)/10 + \sin(26/25)/10, \cos(21/20)/10 - \exp(-21/10)/10 + \exp(-$
 $63/20)/10 + \sin(21/20)/10, \cos(53/50)/10 - \exp(-53/25)/10 + \exp(-159/50)/10 + \sin(53/50)/10,$
 $\cos(107/100)/10 - \exp(-107/50)/10 + \exp(-321/100)/10 + \sin(107/100)/10, \cos(27/25)/10 - \exp(-$
 $54/25)/10 + \exp(-81/25)/10 + \sin(27/25)/10, \cos(109/100)/10 - \exp(-109/50)/10 + \exp(-327/100)/10 +$
 $\sin(109/100)/10, \cos(11/10)/10 - \exp(-11/5)/10 + \exp(-33/10)/10 + \sin(11/10)/10, \cos(111/100)/10 -$
 $\exp(-111/50)/10 + \exp(-333/100)/10 + \sin(111/100)/10, \cos(28/25)/10 - \exp(-56/25)/10 + \exp(-$
 $84/25)/10 + \sin(28/25)/10, \cos(113/100)/10 - \exp(-113/50)/10 + \exp(-339/100)/10 + \sin(113/100)/10,$
 $\cos(57/50)/10 - \exp(-57/25)/10 + \exp(-171/50)/10 + \sin(57/50)/10, \cos(23/20)/10 - \exp(-23/10)/10 +$
 $\exp(-69/20)/10 + \sin(23/20)/10, \cos(29/25)/10 - \exp(-58/25)/10 + \exp(-87/25)/10 + \sin(29/25)/10,$
 $\cos(117/100)/10 - \exp(-117/50)/10 + \exp(-351/100)/10 + \sin(117/100)/10, \cos(59/50)/10 - \exp(-$
 $59/25)/10 + \exp(-177/50)/10 + \sin(59/50)/10, \cos(119/100)/10 - \exp(-119/50)/10 + \exp(-357/100)/10 +$
 $\sin(119/100)/10, \cos(6/5)/10 - \exp(-12/5)/10 + \exp(-18/5)/10 + \sin(6/5)/10, \cos(121/100)/10 - \exp(-$
 $121/50)/10 + \exp(-363/100)/10 + \sin(121/100)/10, \cos(61/50)/10 - \exp(-61/25)/10 + \exp(-183/50)/10 +$
 $\sin(61/50)/10, \cos(123/100)/10 - \exp(-123/50)/10 + \exp(-369/100)/10 + \sin(123/100)/10, \cos(31/25)/10$
 $- \exp(-62/25)/10 + \exp(-93/25)/10 + \sin(31/25)/10, \cos(5/4)/10 - \exp(-5/2)/10 + \exp(-15/4)/10 +$
 $\sin(5/4)/10, \cos(63/50)/10 - \exp(-63/25)/10 + \exp(-189/50)/10 + \sin(63/50)/10, \cos(127/100)/10 - \exp(-$
 $127/50)/10 + \exp(-381/100)/10 + \sin(127/100)/10, \cos(32/25)/10 - \exp(-64/25)/10 + \exp(-96/25)/10 +$
 $\sin(32/25)/10, \cos(129/100)/10 - \exp(-129/50)/10 + \exp(-387/100)/10 + \sin(129/100)/10, \cos(13/10)/10$
 $- \exp(-13/5)/10 + \exp(-39/10)/10 + \sin(13/10)/10, \cos(131/100)/10 - \exp(-131/50)/10 + \exp(-$
 $393/100)/10 + \sin(131/100)/10, \cos(33/25)/10 - \exp(-66/25)/10 + \exp(-99/25)/10 + \sin(33/25)/10,$
 $\cos(133/100)/10 - \exp(-133/50)/10 + \exp(-399/100)/10 + \sin(133/100)/10, \cos(67/50)/10 - \exp(-$

$67/25)/10 + \exp(-201/50)/10 + \sin(67/50)/10, \cos(27/20)/10 - \exp(-27/10)/10 + \exp(-81/20)/10 +$
 $\sin(27/20)/10, \cos(34/25)/10 - \exp(-68/25)/10 + \exp(-102/25)/10 + \sin(34/25)/10, \cos(137/100)/10 -$
 $\exp(-137/50)/10 + \exp(-411/100)/10 + \sin(137/100)/10, \cos(69/50)/10 - \exp(-69/25)/10 + \exp(-$
 $207/50)/10 + \sin(69/50)/10, \cos(139/100)/10 - \exp(-139/50)/10 + \exp(-417/100)/10 + \sin(139/100)/10,$
 $\cos(7/5)/10 - \exp(-14/5)/10 + \exp(-21/5)/10 + \sin(7/5)/10, \cos(141/100)/10 - \exp(-141/50)/10 + \exp(-$
 $423/100)/10 + \sin(141/100)/10, \cos(71/50)/10 - \exp(-71/25)/10 + \exp(-213/50)/10 + \sin(71/50)/10,$
 $\cos(143/100)/10 - \exp(-143/50)/10 + \exp(-429/100)/10 + \sin(143/100)/10, \cos(36/25)/10 - \exp(-$
 $72/25)/10 + \exp(-108/25)/10 + \sin(36/25)/10, \cos(29/20)/10 - \exp(-29/10)/10 + \exp(-87/20)/10 +$
 $\sin(29/20)/10, \cos(73/50)/10 - \exp(-73/25)/10 + \exp(-219/50)/10 + \sin(73/50)/10, \cos(147/100)/10 -$
 $\exp(-147/50)/10 + \exp(-441/100)/10 + \sin(147/100)/10, \cos(37/25)/10 - \exp(-74/25)/10 + \exp(-$
 $111/25)/10 + \sin(37/25)/10, \cos(149/100)/10 - \exp(-149/50)/10 + \exp(-447/100)/10 + \sin(149/100)/10,$
 $\cos(3/2)/10 - \exp(-3)/10 + \exp(-9/2)/10 + \sin(3/2)/10, \cos(151/100)/10 - \exp(-151/50)/10 + \exp(-$
 $453/100)/10 + \sin(151/100)/10, \cos(38/25)/10 - \exp(-76/25)/10 + \exp(-114/25)/10 + \sin(38/25)/10,$
 $\cos(153/100)/10 - \exp(-153/50)/10 + \exp(-459/100)/10 + \sin(153/100)/10, \cos(77/50)/10 - \exp(-$
 $77/25)/10 + \exp(-231/50)/10 + \sin(77/50)/10, \cos(31/20)/10 - \exp(-31/10)/10 + \exp(-93/20)/10 +$
 $\sin(31/20)/10, \cos(39/25)/10 - \exp(-78/25)/10 + \exp(-117/25)/10 + \sin(39/25)/10, \cos(157/100)/10 -$
 $\exp(-157/50)/10 + \exp(-471/100)/10 + \sin(157/100)/10, \cos(79/50)/10 - \exp(-79/25)/10 + \exp(-$
 $237/50)/10 + \sin(79/50)/10, \cos(159/100)/10 - \exp(-159/50)/10 + \exp(-477/100)/10 + \sin(159/100)/10,$
 $\cos(8/5)/10 - \exp(-16/5)/10 + \exp(-24/5)/10 + \sin(8/5)/10, \cos(161/100)/10 - \exp(-161/50)/10 + \exp(-$
 $483/100)/10 + \sin(161/100)/10, \cos(81/50)/10 - \exp(-81/25)/10 + \exp(-243/50)/10 + \sin(81/50)/10,$
 $\cos(163/100)/10 - \exp(-163/50)/10 + \exp(-489/100)/10 + \sin(163/100)/10, \cos(41/25)/10 - \exp(-$
 $82/25)/10 + \exp(-123/25)/10 + \sin(41/25)/10, \cos(33/20)/10 - \exp(-33/10)/10 + \exp(-99/20)/10 +$
 $\sin(33/20)/10, \cos(83/50)/10 - \exp(-83/25)/10 + \exp(-249/50)/10 + \sin(83/50)/10, \cos(167/100)/10 -$
 $\exp(-167/50)/10 + \exp(-501/100)/10 + \sin(167/100)/10, \cos(42/25)/10 - \exp(-84/25)/10 + \exp(-$
 $126/25)/10 + \sin(42/25)/10, \cos(169/100)/10 - \exp(-169/50)/10 + \exp(-507/100)/10 + \sin(169/100)/10,$
 $\cos(17/10)/10 - \exp(-17/5)/10 + \exp(-51/10)/10 + \sin(17/10)/10, \cos(171/100)/10 - \exp(-171/50)/10 +$
 $\exp(-513/100)/10 + \sin(171/100)/10, \cos(43/25)/10 - \exp(-86/25)/10 + \exp(-129/25)/10 + \sin(43/25)/10,$
 $\cos(173/100)/10 - \exp(-173/50)/10 + \exp(-519/100)/10 + \sin(173/100)/10, \cos(87/50)/10 - \exp(-$
 $87/25)/10 + \exp(-261/50)/10 + \sin(87/50)/10, \cos(7/4)/10 - \exp(-7/2)/10 + \exp(-21/4)/10 + \sin(7/4)/10,$
 $\cos(44/25)/10 - \exp(-88/25)/10 + \exp(-132/25)/10 + \sin(44/25)/10, \cos(177/100)/10 - \exp(-177/50)/10 +$
 $\exp(-531/100)/10 + \sin(177/100)/10, \cos(89/50)/10 - \exp(-89/25)/10 + \exp(-267/50)/10 + \sin(89/50)/10,$
 $\cos(179/100)/10 - \exp(-179/50)/10 + \exp(-537/100)/10 + \sin(179/100)/10, \cos(9/5)/10 - \exp(-18/5)/10 +$
 $\exp(-27/5)/10 + \sin(9/5)/10, \cos(181/100)/10 - \exp(-181/50)/10 + \exp(-543/100)/10 + \sin(181/100)/10,$
 $\cos(91/50)/10 - \exp(-91/25)/10 + \exp(-273/50)/10 + \sin(91/50)/10, \cos(183/100)/10 - \exp(-183/50)/10 +$
 $\exp(-549/100)/10 + \sin(183/100)/10, \cos(46/25)/10 - \exp(-92/25)/10 + \exp(-138/25)/10 + \sin(46/25)/10,$
 $\cos(37/20)/10 - \exp(-37/10)/10 + \exp(-111/20)/10 + \sin(37/20)/10, \cos(93/50)/10 - \exp(-93/25)/10 +$
 $\exp(-279/50)/10 + \sin(93/50)/10, \cos(187/100)/10 - \exp(-187/50)/10 + \exp(-561/100)/10 +$
 $\sin(187/100)/10, \cos(47/25)/10 - \exp(-94/25)/10 + \exp(-141/25)/10 + \sin(47/25)/10, \cos(189/100)/10 -$
 $\exp(-189/50)/10 + \exp(-567/100)/10 + \sin(189/100)/10, \cos(19/10)/10 - \exp(-19/5)/10 + \exp(-57/10)/10$
 $+ \sin(19/10)/10, \cos(191/100)/10 - \exp(-191/50)/10 + \exp(-573/100)/10 + \sin(191/100)/10,$
 $\cos(48/25)/10 - \exp(-96/25)/10 + \exp(-144/25)/10 + \sin(48/25)/10, \cos(193/100)/10 - \exp(-193/50)/10 +$
 $\exp(-579/100)/10 + \sin(193/100)/10, \cos(97/50)/10 - \exp(-97/25)/10 + \exp(-291/50)/10 + \sin(97/50)/10,$

$\cos(39/20)/10 - \exp(-39/10)/10 + \exp(-117/20)/10 + \sin(39/20)/10, \cos(49/25)/10 - \exp(-98/25)/10 + \exp(-147/25)/10 + \sin(49/25)/10, \cos(197/100)/10 - \exp(-197/50)/10 + \exp(-591/100)/10 + \sin(197/100)/10, \cos(99/50)/10 - \exp(-99/25)/10 + \exp(-297/50)/10 + \sin(99/50)/10, \cos(199/100)/10 - \exp(-199/50)/10 + \exp(-597/100)/10 + \sin(199/100)/10, \cos(2)/10 - \exp(-4)/10 + \exp(-6)/10 + \sin(2)/10, \cos(201/100)/10 - \exp(-201/50)/10 + \exp(-603/100)/10 + \sin(201/100)/10, \cos(101/50)/10 - \exp(-101/25)/10 + \exp(-303/50)/10 + \sin(101/50)/10, \cos(203/100)/10 - \exp(-203/50)/10 + \exp(-609/100)/10 + \sin(203/100)/10, \cos(51/25)/10 - \exp(-102/25)/10 + \exp(-153/25)/10 + \sin(51/25)/10, \cos(41/20)/10 - \exp(-41/10)/10 + \exp(-123/20)/10 + \sin(41/20)/10, \cos(103/50)/10 - \exp(-103/25)/10 + \exp(-309/50)/10 + \sin(103/50)/10, \cos(207/100)/10 - \exp(-207/50)/10 + \exp(-621/100)/10 + \sin(207/100)/10, \cos(52/25)/10 - \exp(-104/25)/10 + \exp(-156/25)/10 + \sin(52/25)/10, \cos(209/100)/10 - \exp(-209/50)/10 + \exp(-627/100)/10 + \sin(209/100)/10, \cos(21/10)/10 - \exp(-21/5)/10 + \exp(-63/10)/10 + \sin(21/10)/10, \cos(211/100)/10 - \exp(-211/50)/10 + \exp(-633/100)/10 + \sin(211/100)/10, \cos(53/25)/10 - \exp(-106/25)/10 + \exp(-159/25)/10 + \sin(53/25)/10, \cos(213/100)/10 - \exp(-213/50)/10 + \exp(-639/100)/10 + \sin(213/100)/10, \cos(107/50)/10 - \exp(-107/25)/10 + \exp(-321/50)/10 + \sin(107/50)/10, \cos(43/20)/10 - \exp(-43/10)/10 + \exp(-129/20)/10 + \sin(43/20)/10, \cos(54/25)/10 - \exp(-108/25)/10 + \exp(-162/25)/10 + \sin(54/25)/10, \cos(217/100)/10 - \exp(-217/50)/10 + \exp(-651/100)/10 + \sin(217/100)/10, \cos(109/50)/10 - \exp(-109/25)/10 + \exp(-327/50)/10 + \sin(109/50)/10, \cos(219/100)/10 - \exp(-219/50)/10 + \exp(-657/100)/10 + \sin(219/100)/10, \cos(11/5)/10 - \exp(-22/5)/10 + \exp(-33/5)/10 + \sin(11/5)/10, \cos(221/100)/10 - \exp(-221/50)/10 + \exp(-663/100)/10 + \sin(221/100)/10, \cos(111/50)/10 - \exp(-111/25)/10 + \exp(-333/50)/10 + \sin(111/50)/10, \cos(223/100)/10 - \exp(-223/50)/10 + \exp(-669/100)/10 + \sin(223/100)/10, \cos(56/25)/10 - \exp(-112/25)/10 + \exp(-168/25)/10 + \sin(56/25)/10, \cos(9/4)/10 - \exp(-9/2)/10 + \exp(-27/4)/10 + \sin(9/4)/10, \cos(113/50)/10 - \exp(-113/25)/10 + \exp(-339/50)/10 + \sin(113/50)/10, \cos(227/100)/10 - \exp(-227/50)/10 + \exp(-681/100)/10 + \sin(227/100)/10, \cos(57/25)/10 - \exp(-114/25)/10 + \exp(-171/25)/10 + \sin(57/25)/10, \cos(229/100)/10 - \exp(-229/50)/10 + \exp(-687/100)/10 + \sin(229/100)/10, \cos(23/10)/10 - \exp(-23/5)/10 + \exp(-69/10)/10 + \sin(23/10)/10, \cos(231/100)/10 - \exp(-231/50)/10 + \exp(-693/100)/10 + \sin(231/100)/10, \cos(58/25)/10 - \exp(-116/25)/10 + \exp(-174/25)/10 + \sin(58/25)/10, \cos(233/100)/10 - \exp(-233/50)/10 + \exp(-699/100)/10 + \sin(233/100)/10, \cos(117/50)/10 - \exp(-117/25)/10 + \exp(-351/50)/10 + \sin(117/50)/10, \cos(47/20)/10 - \exp(-47/10)/10 + \exp(-141/20)/10 + \sin(47/20)/10, \cos(59/25)/10 - \exp(-118/25)/10 + \exp(-177/25)/10 + \sin(59/25)/10, \cos(237/100)/10 - \exp(-237/50)/10 + \exp(-711/100)/10 + \sin(237/100)/10, \cos(119/50)/10 - \exp(-119/25)/10 + \exp(-357/50)/10 + \sin(119/50)/10, \cos(239/100)/10 - \exp(-239/50)/10 + \exp(-717/100)/10 + \sin(239/100)/10, \cos(12/5)/10 - \exp(-24/5)/10 + \exp(-36/5)/10 + \sin(12/5)/10, \cos(241/100)/10 - \exp(-241/50)/10 + \exp(-723/100)/10 + \sin(241/100)/10, \cos(121/50)/10 - \exp(-121/25)/10 + \exp(-363/50)/10 + \sin(121/50)/10, \cos(243/100)/10 - \exp(-243/50)/10 + \exp(-729/100)/10 + \sin(243/100)/10, \cos(61/25)/10 - \exp(-122/25)/10 + \exp(-183/25)/10 + \sin(61/25)/10, \cos(49/20)/10 - \exp(-49/10)/10 + \exp(-147/20)/10 + \sin(49/20)/10, \cos(123/50)/10 - \exp(-123/25)/10 + \exp(-369/50)/10 + \sin(123/50)/10, \cos(247/100)/10 - \exp(-247/50)/10 + \exp(-741/100)/10 + \sin(247/100)/10, \cos(62/25)/10 - \exp(-124/25)/10 + \exp(-186/25)/10 + \sin(62/25)/10, \cos(249/100)/10 - \exp(-249/50)/10 + \exp(-747/100)/10 + \sin(249/100)/10, \cos(5/2)/10 - \exp(-5)/10 + \exp(-15/2)/10 + \sin(5/2)/10, \cos(251/100)/10 - \exp(-251/50)/10 + \exp(-753/100)/10 + \sin(251/100)/10, \cos(63/25)/10 - \exp(-126/25)/10 + \exp(-189/25)/10 + \sin(63/25)/10, \cos(253/100)/10 - \exp(-253/50)/10 + \exp(-759/100)/10 + \sin(253/100)/10, \cos(127/50)/10 - \exp(-127/25)/10 + \exp(-381/50)/10 + \sin(127/50)/10,$

$\cos(51/20)/10 - \exp(-51/10)/10 + \exp(-153/20)/10 + \sin(51/20)/10, \cos(64/25)/10 - \exp(-128/25)/10 +$
 $\exp(-192/25)/10 + \sin(64/25)/10, \cos(257/100)/10 - \exp(-257/50)/10 + \exp(-771/100)/10 +$
 $\sin(257/100)/10, \cos(129/50)/10 - \exp(-129/25)/10 + \exp(-387/50)/10 + \sin(129/50)/10,$
 $\cos(259/100)/10 - \exp(-259/50)/10 + \exp(-777/100)/10 + \sin(259/100)/10, \cos(13/5)/10 - \exp(-26/5)/10$
 $+ \exp(-39/5)/10 + \sin(13/5)/10, \cos(261/100)/10 - \exp(-261/50)/10 + \exp(-783/100)/10 +$
 $\sin(261/100)/10, \cos(131/50)/10 - \exp(-131/25)/10 + \exp(-393/50)/10 + \sin(131/50)/10,$
 $\cos(263/100)/10 - \exp(-263/50)/10 + \exp(-789/100)/10 + \sin(263/100)/10, \cos(66/25)/10 - \exp(-$
 $132/25)/10 + \exp(-198/25)/10 + \sin(66/25)/10, \cos(53/20)/10 - \exp(-53/10)/10 + \exp(-159/20)/10 +$
 $\sin(53/20)/10, \cos(133/50)/10 - \exp(-133/25)/10 + \exp(-399/50)/10 + \sin(133/50)/10, \cos(267/100)/10 -$
 $\exp(-267/50)/10 + \exp(-801/100)/10 + \sin(267/100)/10, \cos(67/25)/10 - \exp(-134/25)/10 + \exp(-$
 $201/25)/10 + \sin(67/25)/10, \cos(269/100)/10 - \exp(-269/50)/10 + \exp(-807/100)/10 + \sin(269/100)/10,$
 $\cos(27/10)/10 - \exp(-27/5)/10 + \exp(-81/10)/10 + \sin(27/10)/10, \cos(271/100)/10 - \exp(-271/50)/10 +$
 $\exp(-813/100)/10 + \sin(271/100)/10, \cos(68/25)/10 - \exp(-136/25)/10 + \exp(-204/25)/10 +$
 $\sin(68/25)/10, \cos(273/100)/10 - \exp(-273/50)/10 + \exp(-819/100)/10 + \sin(273/100)/10,$
 $\cos(137/50)/10 - \exp(-137/25)/10 + \exp(-411/50)/10 + \sin(137/50)/10, \cos(11/4)/10 - \exp(-11/2)/10 +$
 $\exp(-33/4)/10 + \sin(11/4)/10, \cos(69/25)/10 - \exp(-138/25)/10 + \exp(-207/25)/10 + \sin(69/25)/10,$
 $\cos(277/100)/10 - \exp(-277/50)/10 + \exp(-831/100)/10 + \sin(277/100)/10, \cos(139/50)/10 - \exp(-$
 $139/25)/10 + \exp(-417/50)/10 + \sin(139/50)/10, \cos(279/100)/10 - \exp(-279/50)/10 + \exp(-837/100)/10$
 $+ \sin(279/100)/10, \cos(14/5)/10 - \exp(-28/5)/10 + \exp(-42/5)/10 + \sin(14/5)/10, \cos(281/100)/10 - \exp(-$
 $281/50)/10 + \exp(-843/100)/10 + \sin(281/100)/10, \cos(141/50)/10 - \exp(-141/25)/10 + \exp(-423/50)/10$
 $+ \sin(141/50)/10, \cos(283/100)/10 - \exp(-283/50)/10 + \exp(-849/100)/10 + \sin(283/100)/10,$
 $\cos(71/25)/10 - \exp(-142/25)/10 + \exp(-213/25)/10 + \sin(71/25)/10, \cos(57/20)/10 - \exp(-57/10)/10 +$
 $\exp(-171/20)/10 + \sin(57/20)/10, \cos(143/50)/10 - \exp(-143/25)/10 + \exp(-429/50)/10 + \sin(143/50)/10,$
 $\cos(287/100)/10 - \exp(-287/50)/10 + \exp(-861/100)/10 + \sin(287/100)/10, \cos(72/25)/10 - \exp(-$
 $144/25)/10 + \exp(-216/25)/10 + \sin(72/25)/10, \cos(289/100)/10 - \exp(-289/50)/10 + \exp(-867/100)/10 +$
 $\sin(289/100)/10, \cos(29/10)/10 - \exp(-29/5)/10 + \exp(-87/10)/10 + \sin(29/10)/10, \cos(291/100)/10 -$
 $\exp(-291/50)/10 + \exp(-873/100)/10 + \sin(291/100)/10, \cos(73/25)/10 - \exp(-146/25)/10 + \exp(-$
 $219/25)/10 + \sin(73/25)/10, \cos(293/100)/10 - \exp(-293/50)/10 + \exp(-879/100)/10 + \sin(293/100)/10,$
 $\cos(147/50)/10 - \exp(-147/25)/10 + \exp(-441/50)/10 + \sin(147/50)/10, \cos(59/20)/10 - \exp(-59/10)/10 +$
 $\exp(-177/20)/10 + \sin(59/20)/10, \cos(74/25)/10 - \exp(-148/25)/10 + \exp(-222/25)/10 + \sin(74/25)/10,$
 $\cos(297/100)/10 - \exp(-297/50)/10 + \exp(-891/100)/10 + \sin(297/100)/10, \cos(149/50)/10 - \exp(-$
 $149/25)/10 + \exp(-447/50)/10 + \sin(149/50)/10, \cos(299/100)/10 - \exp(-299/50)/10 + \exp(-897/100)/10$
 $+ \sin(299/100)/10, \cos(3)/10 - \exp(-6)/10 + \exp(-9)/10 + \sin(3)/10, \cos(301/100)/10 - \exp(-301/50)/10 +$
 $\exp(-903/100)/10 + \sin(301/100)/10, \cos(151/50)/10 - \exp(-151/25)/10 + \exp(-453/50)/10 +$
 $\sin(151/50)/10, \cos(303/100)/10 - \exp(-303/50)/10 + \exp(-909/100)/10 + \sin(303/100)/10,$
 $\cos(76/25)/10 - \exp(-152/25)/10 + \exp(-228/25)/10 + \sin(76/25)/10, \cos(61/20)/10 - \exp(-61/10)/10 +$
 $\exp(-183/20)/10 + \sin(61/20)/10, \cos(153/50)/10 - \exp(-153/25)/10 + \exp(-459/50)/10 + \sin(153/50)/10,$
 $\cos(307/100)/10 - \exp(-307/50)/10 + \exp(-921/100)/10 + \sin(307/100)/10, \cos(77/25)/10 - \exp(-$
 $154/25)/10 + \exp(-231/25)/10 + \sin(77/25)/10, \cos(309/100)/10 - \exp(-309/50)/10 + \exp(-927/100)/10 +$
 $\sin(309/100)/10, \cos(31/10)/10 - \exp(-31/5)/10 + \exp(-93/10)/10 + \sin(31/10)/10, \cos(311/100)/10 -$
 $\exp(-311/50)/10 + \exp(-933/100)/10 + \sin(311/100)/10, \cos(78/25)/10 - \exp(-156/25)/10 + \exp(-$
 $234/25)/10 + \sin(78/25)/10, \cos(313/100)/10 - \exp(-313/50)/10 + \exp(-939/100)/10 + \sin(313/100)/10,$

$\cos(157/50)/10 - \exp(-157/25)/10 + \exp(-471/50)/10 + \sin(157/50)/10, \cos(63/20)/10 - \exp(-63/10)/10 +$
 $\exp(-189/20)/10 + \sin(63/20)/10, \cos(79/25)/10 - \exp(-158/25)/10 + \exp(-237/25)/10 + \sin(79/25)/10,$
 $\cos(317/100)/10 - \exp(-317/50)/10 + \exp(-951/100)/10 + \sin(317/100)/10, \cos(159/50)/10 - \exp(-$
 $159/25)/10 + \exp(-477/50)/10 + \sin(159/50)/10, \cos(319/100)/10 - \exp(-319/50)/10 + \exp(-957/100)/10$
 $+ \sin(319/100)/10, \cos(16/5)/10 - \exp(-32/5)/10 + \exp(-48/5)/10 + \sin(16/5)/10, \cos(321/100)/10 - \exp(-$
 $321/50)/10 + \exp(-963/100)/10 + \sin(321/100)/10, \cos(161/50)/10 - \exp(-161/25)/10 + \exp(-483/50)/10$
 $+ \sin(161/50)/10, \cos(323/100)/10 - \exp(-323/50)/10 + \exp(-969/100)/10 + \sin(323/100)/10,$
 $\cos(81/25)/10 - \exp(-162/25)/10 + \exp(-243/25)/10 + \sin(81/25)/10, \cos(13/4)/10 - \exp(-13/2)/10 + \exp(-$
 $39/4)/10 + \sin(13/4)/10, \cos(163/50)/10 - \exp(-163/25)/10 + \exp(-489/50)/10 + \sin(163/50)/10,$
 $\cos(327/100)/10 - \exp(-327/50)/10 + \exp(-981/100)/10 + \sin(327/100)/10, \cos(82/25)/10 - \exp(-$
 $164/25)/10 + \exp(-246/25)/10 + \sin(82/25)/10, \cos(329/100)/10 - \exp(-329/50)/10 + \exp(-987/100)/10 +$
 $\sin(329/100)/10, \cos(33/10)/10 - \exp(-33/5)/10 + \exp(-99/10)/10 + \sin(33/10)/10, \cos(331/100)/10 -$
 $\exp(-331/50)/10 + \exp(-993/100)/10 + \sin(331/100)/10, \cos(83/25)/10 - \exp(-166/25)/10 + \exp(-$
 $249/25)/10 + \sin(83/25)/10, \cos(333/100)/10 - \exp(-333/50)/10 + \exp(-999/100)/10 + \sin(333/100)/10,$
 $\cos(167/50)/10 - \exp(-167/25)/10 + \exp(-501/50)/10 + \sin(167/50)/10, \cos(67/20)/10 - \exp(-67/10)/10 +$
 $\exp(-201/20)/10 + \sin(67/20)/10, \cos(84/25)/10 - \exp(-168/25)/10 + \exp(-252/25)/10 + \sin(84/25)/10,$
 $\cos(337/100)/10 - \exp(-337/50)/10 + \exp(-1011/100)/10 + \sin(337/100)/10, \cos(169/50)/10 - \exp(-$
 $169/25)/10 + \exp(-507/50)/10 + \sin(169/50)/10, \cos(339/100)/10 - \exp(-339/50)/10 + \exp(-$
 $1017/100)/10 + \sin(339/100)/10, \cos(17/5)/10 - \exp(-34/5)/10 + \exp(-51/5)/10 + \sin(17/5)/10,$
 $\cos(341/100)/10 - \exp(-341/50)/10 + \exp(-1023/100)/10 + \sin(341/100)/10, \cos(171/50)/10 - \exp(-$
 $171/25)/10 + \exp(-513/50)/10 + \sin(171/50)/10, \cos(343/100)/10 - \exp(-343/50)/10 + \exp(-$
 $1029/100)/10 + \sin(343/100)/10, \cos(86/25)/10 - \exp(-172/25)/10 + \exp(-258/25)/10 + \sin(86/25)/10,$
 $\cos(69/20)/10 - \exp(-69/10)/10 + \exp(-207/20)/10 + \sin(69/20)/10, \cos(173/50)/10 - \exp(-173/25)/10 +$
 $\exp(-519/50)/10 + \sin(173/50)/10, \cos(347/100)/10 - \exp(-347/50)/10 + \exp(-1041/100)/10 +$
 $\sin(347/100)/10, \cos(87/25)/10 - \exp(-174/25)/10 + \exp(-261/25)/10 + \sin(87/25)/10, \cos(349/100)/10 -$
 $\exp(-349/50)/10 + \exp(-1047/100)/10 + \sin(349/100)/10, \cos(7/2)/10 - \exp(-7)/10 + \exp(-21/2)/10 +$
 $\sin(7/2)/10, \cos(351/100)/10 - \exp(-351/50)/10 + \exp(-1053/100)/10 + \sin(351/100)/10, \cos(88/25)/10 -$
 $\exp(-176/25)/10 + \exp(-264/25)/10 + \sin(88/25)/10, \cos(353/100)/10 - \exp(-353/50)/10 + \exp(-$
 $1059/100)/10 + \sin(353/100)/10, \cos(177/50)/10 - \exp(-177/25)/10 + \exp(-531/50)/10 + \sin(177/50)/10,$
 $\cos(71/20)/10 - \exp(-71/10)/10 + \exp(-213/20)/10 + \sin(71/20)/10, \cos(89/25)/10 - \exp(-178/25)/10 +$
 $\exp(-267/25)/10 + \sin(89/25)/10, \cos(357/100)/10 - \exp(-357/50)/10 + \exp(-1071/100)/10 +$
 $\sin(357/100)/10, \cos(179/50)/10 - \exp(-179/25)/10 + \exp(-537/50)/10 + \sin(179/50)/10,$
 $\cos(359/100)/10 - \exp(-359/50)/10 + \exp(-1077/100)/10 + \sin(359/100)/10, \cos(18/5)/10 - \exp(-$
 $36/5)/10 + \exp(-54/5)/10 + \sin(18/5)/10, \cos(361/100)/10 - \exp(-361/50)/10 + \exp(-1083/100)/10 +$
 $\sin(361/100)/10, \cos(181/50)/10 - \exp(-181/25)/10 + \exp(-543/50)/10 + \sin(181/50)/10,$
 $\cos(363/100)/10 - \exp(-363/50)/10 + \exp(-1089/100)/10 + \sin(363/100)/10, \cos(91/25)/10 - \exp(-$
 $182/25)/10 + \exp(-273/25)/10 + \sin(91/25)/10, \cos(73/20)/10 - \exp(-73/10)/10 + \exp(-219/20)/10 +$
 $\sin(73/20)/10, \cos(183/50)/10 - \exp(-183/25)/10 + \exp(-549/50)/10 + \sin(183/50)/10, \cos(367/100)/10 -$
 $\exp(-367/50)/10 + \exp(-1101/100)/10 + \sin(367/100)/10, \cos(92/25)/10 - \exp(-184/25)/10 + \exp(-$
 $276/25)/10 + \sin(92/25)/10, \cos(369/100)/10 - \exp(-369/50)/10 + \exp(-1107/100)/10 + \sin(369/100)/10,$
 $\cos(37/10)/10 - \exp(-37/5)/10 + \exp(-111/10)/10 + \sin(37/10)/10, \cos(371/100)/10 - \exp(-371/50)/10 +$
 $\exp(-1113/100)/10 + \sin(371/100)/10, \cos(93/25)/10 - \exp(-186/25)/10 + \exp(-279/25)/10 +$

$\sin(93/25)/10, \cos(373/100)/10 - \exp(-373/50)/10 + \exp(-1119/100)/10 + \sin(373/100)/10,$
 $\cos(187/50)/10 - \exp(-187/25)/10 + \exp(-561/50)/10 + \sin(187/50)/10, \cos(15/4)/10 - \exp(-15/2)/10 +$
 $\exp(-45/4)/10 + \sin(15/4)/10, \cos(94/25)/10 - \exp(-188/25)/10 + \exp(-282/25)/10 + \sin(94/25)/10,$
 $\cos(377/100)/10 - \exp(-377/50)/10 + \exp(-1131/100)/10 + \sin(377/100)/10, \cos(189/50)/10 - \exp(-$
 $189/25)/10 + \exp(-567/50)/10 + \sin(189/50)/10, \cos(379/100)/10 - \exp(-379/50)/10 + \exp(-$
 $1137/100)/10 + \sin(379/100)/10, \cos(19/5)/10 - \exp(-38/5)/10 + \exp(-57/5)/10 + \sin(19/5)/10,$
 $\cos(381/100)/10 - \exp(-381/50)/10 + \exp(-1143/100)/10 + \sin(381/100)/10, \cos(191/50)/10 - \exp(-$
 $191/25)/10 + \exp(-573/50)/10 + \sin(191/50)/10, \cos(383/100)/10 - \exp(-383/50)/10 + \exp(-$
 $1149/100)/10 + \sin(383/100)/10, \cos(96/25)/10 - \exp(-192/25)/10 + \exp(-288/25)/10 + \sin(96/25)/10,$
 $\cos(77/20)/10 - \exp(-77/10)/10 + \exp(-231/20)/10 + \sin(77/20)/10, \cos(193/50)/10 - \exp(-193/25)/10 +$
 $\exp(-579/50)/10 + \sin(193/50)/10, \cos(387/100)/10 - \exp(-387/50)/10 + \exp(-1161/100)/10 +$
 $\sin(387/100)/10, \cos(97/25)/10 - \exp(-194/25)/10 + \exp(-291/25)/10 + \sin(97/25)/10, \cos(389/100)/10 -$
 $\exp(-389/50)/10 + \exp(-1167/100)/10 + \sin(389/100)/10, \cos(39/10)/10 - \exp(-39/5)/10 + \exp(-$
 $117/10)/10 + \sin(39/10)/10, \cos(391/100)/10 - \exp(-391/50)/10 + \exp(-1173/100)/10 + \sin(391/100)/10,$
 $\cos(98/25)/10 - \exp(-196/25)/10 + \exp(-294/25)/10 + \sin(98/25)/10, \cos(393/100)/10 - \exp(-393/50)/10$
 $+ \exp(-1179/100)/10 + \sin(393/100)/10, \cos(197/50)/10 - \exp(-197/25)/10 + \exp(-591/50)/10 +$
 $\sin(197/50)/10, \cos(79/20)/10 - \exp(-79/10)/10 + \exp(-237/20)/10 + \sin(79/20)/10, \cos(99/25)/10 - \exp(-$
 $198/25)/10 + \exp(-297/25)/10 + \sin(99/25)/10, \cos(397/100)/10 - \exp(-397/50)/10 + \exp(-1191/100)/10$
 $+ \sin(397/100)/10, \cos(199/50)/10 - \exp(-199/25)/10 + \exp(-597/50)/10 + \sin(199/50)/10,$
 $\cos(399/100)/10 - \exp(-399/50)/10 + \exp(-1197/100)/10 + \sin(399/100)/10, \cos(4)/10 - \exp(-8)/10 +$
 $\exp(-12)/10 + \sin(4)/10, \cos(401/100)/10 - \exp(-401/50)/10 + \exp(-1203/100)/10 + \sin(401/100)/10,$
 $\cos(201/50)/10 - \exp(-201/25)/10 + \exp(-603/50)/10 + \sin(201/50)/10, \cos(403/100)/10 - \exp(-$
 $403/50)/10 + \exp(-1209/100)/10 + \sin(403/100)/10, \cos(101/25)/10 - \exp(-202/25)/10 + \exp(-$
 $303/25)/10 + \sin(101/25)/10, \cos(81/20)/10 - \exp(-81/10)/10 + \exp(-243/20)/10 + \sin(81/20)/10,$
 $\cos(203/50)/10 - \exp(-203/25)/10 + \exp(-609/50)/10 + \sin(203/50)/10, \cos(407/100)/10 - \exp(-$
 $407/50)/10 + \exp(-1221/100)/10 + \sin(407/100)/10, \cos(102/25)/10 - \exp(-204/25)/10 + \exp(-$
 $306/25)/10 + \sin(102/25)/10, \cos(409/100)/10 - \exp(-409/50)/10 + \exp(-1227/100)/10 +$
 $\sin(409/100)/10, \cos(41/10)/10 - \exp(-41/5)/10 + \exp(-123/10)/10 + \sin(41/10)/10, \cos(411/100)/10 -$
 $\exp(-411/50)/10 + \exp(-1233/100)/10 + \sin(411/100)/10, \cos(103/25)/10 - \exp(-206/25)/10 + \exp(-$
 $309/25)/10 + \sin(103/25)/10, \cos(413/100)/10 - \exp(-413/50)/10 + \exp(-1239/100)/10 +$
 $\sin(413/100)/10, \cos(207/50)/10 - \exp(-207/25)/10 + \exp(-621/50)/10 + \sin(207/50)/10, \cos(83/20)/10 -$
 $\exp(-83/10)/10 + \exp(-249/20)/10 + \sin(83/20)/10, \cos(104/25)/10 - \exp(-208/25)/10 + \exp(-312/25)/10$
 $+ \sin(104/25)/10, \cos(417/100)/10 - \exp(-417/50)/10 + \exp(-1251/100)/10 + \sin(417/100)/10,$
 $\cos(209/50)/10 - \exp(-209/25)/10 + \exp(-627/50)/10 + \sin(209/50)/10, \cos(419/100)/10 - \exp(-$
 $419/50)/10 + \exp(-1257/100)/10 + \sin(419/100)/10, \cos(21/5)/10 - \exp(-42/5)/10 + \exp(-63/5)/10 +$
 $\sin(21/5)/10, \cos(421/100)/10 - \exp(-421/50)/10 + \exp(-1263/100)/10 + \sin(421/100)/10,$
 $\cos(211/50)/10 - \exp(-211/25)/10 + \exp(-633/50)/10 + \sin(211/50)/10, \cos(423/100)/10 - \exp(-$
 $423/50)/10 + \exp(-1269/100)/10 + \sin(423/100)/10, \cos(106/25)/10 - \exp(-212/25)/10 + \exp(-$
 $318/25)/10 + \sin(106/25)/10, \cos(17/4)/10 - \exp(-17/2)/10 + \exp(-51/4)/10 + \sin(17/4)/10,$
 $\cos(213/50)/10 - \exp(-213/25)/10 + \exp(-639/50)/10 + \sin(213/50)/10, \cos(427/100)/10 - \exp(-$
 $427/50)/10 + \exp(-1281/100)/10 + \sin(427/100)/10, \cos(107/25)/10 - \exp(-214/25)/10 + \exp(-$
 $321/25)/10 + \sin(107/25)/10, \cos(429/100)/10 - \exp(-429/50)/10 + \exp(-1287/100)/10 +$

$\sin(429/100)/10, \cos(43/10)/10 - \exp(-43/5)/10 + \exp(-129/10)/10 + \sin(43/10)/10, \cos(431/100)/10 -$
 $\exp(-431/50)/10 + \exp(-1293/100)/10 + \sin(431/100)/10, \cos(108/25)/10 - \exp(-216/25)/10 + \exp(-$
 $324/25)/10 + \sin(108/25)/10, \cos(433/100)/10 - \exp(-433/50)/10 + \exp(-1299/100)/10 +$
 $\sin(433/100)/10, \cos(217/50)/10 - \exp(-217/25)/10 + \exp(-651/50)/10 + \sin(217/50)/10, \cos(87/20)/10 -$
 $\exp(-87/10)/10 + \exp(-261/20)/10 + \sin(87/20)/10, \cos(109/25)/10 - \exp(-218/25)/10 + \exp(-327/25)/10$
 $+ \sin(109/25)/10, \cos(437/100)/10 - \exp(-437/50)/10 + \exp(-1311/100)/10 + \sin(437/100)/10,$
 $\cos(219/50)/10 - \exp(-219/25)/10 + \exp(-657/50)/10 + \sin(219/50)/10, \cos(439/100)/10 - \exp(-$
 $439/50)/10 + \exp(-1317/100)/10 + \sin(439/100)/10, \cos(22/5)/10 - \exp(-44/5)/10 + \exp(-66/5)/10 +$
 $\sin(22/5)/10, \cos(441/100)/10 - \exp(-441/50)/10 + \exp(-1323/100)/10 + \sin(441/100)/10,$
 $\cos(221/50)/10 - \exp(-221/25)/10 + \exp(-663/50)/10 + \sin(221/50)/10, \cos(443/100)/10 - \exp(-$
 $443/50)/10 + \exp(-1329/100)/10 + \sin(443/100)/10, \cos(111/25)/10 - \exp(-222/25)/10 + \exp(-$
 $333/25)/10 + \sin(111/25)/10, \cos(89/20)/10 - \exp(-89/10)/10 + \exp(-267/20)/10 + \sin(89/20)/10,$
 $\cos(223/50)/10 - \exp(-223/25)/10 + \exp(-669/50)/10 + \sin(223/50)/10, \cos(447/100)/10 - \exp(-$
 $447/50)/10 + \exp(-1341/100)/10 + \sin(447/100)/10, \cos(112/25)/10 - \exp(-224/25)/10 + \exp(-$
 $336/25)/10 + \sin(112/25)/10, \cos(449/100)/10 - \exp(-449/50)/10 + \exp(-1347/100)/10 +$
 $\sin(449/100)/10, \cos(9/2)/10 - \exp(-9)/10 + \exp(-27/2)/10 + \sin(9/2)/10, \cos(451/100)/10 - \exp(-$
 $451/50)/10 + \exp(-1353/100)/10 + \sin(451/100)/10, \cos(113/25)/10 - \exp(-226/25)/10 + \exp(-$
 $339/25)/10 + \sin(113/25)/10, \cos(453/100)/10 - \exp(-453/50)/10 + \exp(-1359/100)/10 +$
 $\sin(453/100)/10, \cos(227/50)/10 - \exp(-227/25)/10 + \exp(-681/50)/10 + \sin(227/50)/10, \cos(91/20)/10 -$
 $\exp(-91/10)/10 + \exp(-273/20)/10 + \sin(91/20)/10, \cos(114/25)/10 - \exp(-228/25)/10 + \exp(-342/25)/10$
 $+ \sin(114/25)/10, \cos(457/100)/10 - \exp(-457/50)/10 + \exp(-1371/100)/10 + \sin(457/100)/10,$
 $\cos(229/50)/10 - \exp(-229/25)/10 + \exp(-687/50)/10 + \sin(229/50)/10, \cos(459/100)/10 - \exp(-$
 $459/50)/10 + \exp(-1377/100)/10 + \sin(459/100)/10, \cos(23/5)/10 - \exp(-46/5)/10 + \exp(-69/5)/10 +$
 $\sin(23/5)/10, \cos(461/100)/10 - \exp(-461/50)/10 + \exp(-1383/100)/10 + \sin(461/100)/10,$
 $\cos(231/50)/10 - \exp(-231/25)/10 + \exp(-693/50)/10 + \sin(231/50)/10, \cos(463/100)/10 - \exp(-$
 $463/50)/10 + \exp(-1389/100)/10 + \sin(463/100)/10, \cos(116/25)/10 - \exp(-232/25)/10 + \exp(-$
 $348/25)/10 + \sin(116/25)/10, \cos(93/20)/10 - \exp(-93/10)/10 + \exp(-279/20)/10 + \sin(93/20)/10,$
 $\cos(233/50)/10 - \exp(-233/25)/10 + \exp(-699/50)/10 + \sin(233/50)/10, \cos(467/100)/10 - \exp(-$
 $467/50)/10 + \exp(-1401/100)/10 + \sin(467/100)/10, \cos(117/25)/10 - \exp(-234/25)/10 + \exp(-$
 $351/25)/10 + \sin(117/25)/10, \cos(469/100)/10 - \exp(-469/50)/10 + \exp(-1407/100)/10 +$
 $\sin(469/100)/10, \cos(47/10)/10 - \exp(-47/5)/10 + \exp(-141/10)/10 + \sin(47/10)/10, \cos(471/100)/10 -$
 $\exp(-471/50)/10 + \exp(-1413/100)/10 + \sin(471/100)/10, \cos(118/25)/10 - \exp(-236/25)/10 + \exp(-$
 $354/25)/10 + \sin(118/25)/10, \cos(473/100)/10 - \exp(-473/50)/10 + \exp(-1419/100)/10 +$
 $\sin(473/100)/10, \cos(237/50)/10 - \exp(-237/25)/10 + \exp(-711/50)/10 + \sin(237/50)/10, \cos(19/4)/10 -$
 $\exp(-19/2)/10 + \exp(-57/4)/10 + \sin(19/4)/10, \cos(119/25)/10 - \exp(-238/25)/10 + \exp(-357/25)/10 +$
 $\sin(119/25)/10, \cos(477/100)/10 - \exp(-477/50)/10 + \exp(-1431/100)/10 + \sin(477/100)/10,$
 $\cos(239/50)/10 - \exp(-239/25)/10 + \exp(-717/50)/10 + \sin(239/50)/10, \cos(479/100)/10 - \exp(-$
 $479/50)/10 + \exp(-1437/100)/10 + \sin(479/100)/10, \cos(24/5)/10 - \exp(-48/5)/10 + \exp(-72/5)/10 +$
 $\sin(24/5)/10, \cos(481/100)/10 - \exp(-481/50)/10 + \exp(-1443/100)/10 + \sin(481/100)/10,$
 $\cos(241/50)/10 - \exp(-241/25)/10 + \exp(-723/50)/10 + \sin(241/50)/10, \cos(483/100)/10 - \exp(-$
 $483/50)/10 + \exp(-1449/100)/10 + \sin(483/100)/10, \cos(121/2$

