NAME:FAVOUR IBEKWE CHIMAOBI

 16/ENG04/024

 ASSIGNMENT V

**CODES;**

1. commandwindow
2. clear
3. clc
4. close all
5. syms t
6. Q(t)=0.25\*sin(25\*pi\*t)
7. V(t)=0.5\*cos(0.2\*pi\*t)
8. I=diff(Q(t))
9. tn=(0:0.0001:0.35)
10. In=subs(I,tn)
11. figure(1)
12. plot(tn,In)
13. xlabel('time(sec)');
14. ylabel('current(amperes)');
15. grid on;
16. grid minor;
17. P=I\*V
18. Pn=subs(P,tn)
19. figure(2)
20. plot(tn,Pn)
21. xlabel('time(sec)')
22. ylabel('power(watts)')
23. grid on
24. grid minor
25. figure(3)
26. plot(tn,In,'r',tn,Pn,'b')
27. axis tight
28. xlabel('time(sec)');
29. ylabel('variable');
30. grid on;
31. grid minor;
32. legend('current(A)','power(W)','location','best')

**COMMAND WINDOW;**

Q(t) =

sin(25\*pi\*t)/4

V(t) =

cos((pi\*t)/5)/2

I =

(25\*pi\*cos(25\*pi\*t))/4

tn =

 Columns 1 through 4

 0 0.0001 0.0002 0.0003

 Columns 5 through 8

 0.0004 0.0005 0.0006 0.0007

 Columns 9 through 12

 0.0008 0.0009 0.001 0.0011

 Columns 13 through 16

 0.0012 0.0013 0.0014 0.0015

 Columns 17 through 20

 0.0016 0.0017 0.0018 0.0019

 Columns 21 through 24

 0.002 0.0021 0.0022 0.0023

 Columns 25 through 28

 0.0024 0.0025 0.0026 0.0027

 Columns 29 through 32

 0.0028 0.0029 0.003 0.0031

 Columns 33 through 36

 0.0032 0.0033 0.0034 0.0035

 Columns 37 through 40

 0.0036 0.0037 0.0038 0.0039

 Columns 41 through 44

 0.004 0.0041 0.0042 0.0043

 Columns 45 through 48

 0.0044 0.0045 0.0046 0.0047

 Columns 49 through 52

 0.0048 0.0049 0.005 0.0051

 Columns 53 through 56

 0.0052 0.0053 0.0054 0.0055

 Columns 57 through 60

 0.0056 0.0057 0.0058 0.0059

 Columns 61 through 64

 0.006 0.0061 0.0062 0.0063

 Columns 65 through 68

 0.0064 0.0065 0.0066 0.0067

 Columns 69 through 72

 0.0068 0.0069 0.007 0.0071

 Columns 73 through 76

 0.0072 0.0073 0.0074 0.0075

 Columns 77 through 80

 0.0076 0.0077 0.0078 0.0079

 Columns 81 through 84

 0.008 0.0081 0.0082 0.0083

 Columns 85 through 88

 0.0084 0.0085 0.0086 0.0087

 Columns 89 through 92

 0.0088 0.0089 0.009 0.0091

 Columns 93 through 96

 0.0092 0.0093 0.0094 0.0095

 Columns 97 through 100

 0.0096 0.0097 0.0098 0.0099

 Columns 101 through 104

 0.01 0.0101 0.0102 0.0103

 Columns 105 through 108

 0.0104 0.0105 0.0106 0.0107

 Columns 109 through 112

 0.0108 0.0109 0.011 0.0111

 Columns 113 through 116

 0.0112 0.0113 0.0114 0.0115

 Columns 117 through 120

 0.0116 0.0117 0.0118 0.0119

 Columns 121 through 124

 0.012 0.0121 0.0122 0.0123

 Columns 125 through 128

 0.0124 0.0125 0.0126 0.0127

 Columns 129 through 132

 0.0128 0.0129 0.013 0.0131

 Columns 133 through 136

 0.0132 0.0133 0.0134 0.0135

 Columns 137 through 140

 0.0136 0.0137 0.0138 0.0139

 Columns 141 through 144

 0.014 0.0141 0.0142 0.0143

 Columns 145 through 148

 0.0144 0.0145 0.0146 0.0147

 Columns 149 through 152

 0.0148 0.0149 0.015 0.0151

 Columns 153 through 156

 0.0152 0.0153 0.0154 0.0155

 Columns 157 through 160

 0.0156 0.0157 0.0158 0.0159

 Columns 161 through 164

 0.016 0.0161 0.0162 0.0163

 Columns 165 through 168

 0.0164 0.0165 0.0166 0.0167

 Columns 169 through 172

 0.0168 0.0169 0.017 0.0171

 Columns 173 through 176

 0.0172 0.0173 0.0174 0.0175

 Columns 177 through 180

 0.0176 0.0177 0.0178 0.0179

 Columns 181 through 184

 0.018 0.0181 0.0182 0.0183

 Columns 185 through 188

 0.0184 0.0185 0.0186 0.0187

 Columns 189 through 192

 0.0188 0.0189 0.019 0.0191

 Columns 193 through 196

 0.0192 0.0193 0.0194 0.0195

 Columns 197 through 200

 0.0196 0.0197 0.0198 0.0199

 Columns 201 through 204

 0.02 0.0201 0.0202 0.0203

 Columns 205 through 208

 0.0204 0.0205 0.0206 0.0207

 Columns 209 through 212

 0.0208 0.0209 0.021 0.0211

 Columns 213 through 216

 0.0212 0.0213 0.0214 0.0215

 Columns 217 through 220

 0.0216 0.0217 0.0218 0.0219

 Columns 221 through 224

 0.022 0.0221 0.0222 0.0223

 Columns 225 through 228

 0.0224 0.0225 0.0226 0.0227

 Columns 229 through 232

 0.0228 0.0229 0.023 0.0231

 Columns 233 through 236

 0.0232 0.0233 0.0234 0.0235

 Columns 237 through 240

 0.0236 0.0237 0.0238 0.0239

 Columns 241 through 244

 0.024 0.0241 0.0242 0.0243

 Columns 245 through 248

 0.0244 0.0245 0.0246 0.0247

 Columns 249 through 252

 0.0248 0.0249 0.025 0.0251

 Columns 253 through 256

 0.0252 0.0253 0.0254 0.0255

 Columns 257 through 260

 0.0256 0.0257 0.0258 0.0259

 Columns 261 through 264

 0.026 0.0261 0.0262 0.0263

 Columns 265 through 268

 0.0264 0.0265 0.0266 0.0267

 Columns 269 through 272

 0.0268 0.0269 0.027 0.0271

 Columns 273 through 276

 0.0272 0.0273 0.0274 0.0275

 Columns 277 through 280

 0.0276 0.0277 0.0278 0.0279

 Columns 281 through 284

 0.028 0.0281 0.0282 0.0283

 Columns 285 through 288

 0.0284 0.0285 0.0286 0.0287

 Columns 289 through 292

 0.0288 0.0289 0.029 0.0291

 Columns 293 through 296

 0.0292 0.0293 0.0294 0.0295

 Columns 297 through 300

 0.0296 0.0297 0.0298 0.0299

 Columns 301 through 304

 0.03 0.0301 0.0302 0.0303

 Columns 305 through 308

 0.0304 0.0305 0.0306 0.0307

 Columns 309 through 312

 0.0308 0.0309 0.031 0.0311

 Columns 313 through 316

 0.0312 0.0313 0.0314 0.0315

 Columns 317 through 320

 0.0316 0.0317 0.0318 0.0319

 Columns 321 through 324

 0.032 0.0321 0.0322 0.0323

 Columns 325 through 328

 0.0324 0.0325 0.0326 0.0327

 Columns 329 through 332

 0.0328 0.0329 0.033 0.0331

 Columns 333 through 336

 0.0332 0.0333 0.0334 0.0335

 Columns 337 through 340

 0.0336 0.0337 0.0338 0.0339

 Columns 341 through 344

 0.034 0.0341 0.0342 0.0343

 Columns 345 through 348

 0.0344 0.0345 0.0346 0.0347

 Columns 349 through 352

 0.0348 0.0349 0.035 0.0351

 Columns 353 through 356

 0.0352 0.0353 0.0354 0.0355

 Columns 357 through 360

 0.0356 0.0357 0.0358 0.0359

 Columns 361 through 364

 0.036 0.0361 0.0362 0.0363

 Columns 365 through 368

 0.0364 0.0365 0.0366 0.0367

 Columns 369 through 372

 0.0368 0.0369 0.037 0.0371

 Columns 373 through 376

 0.0372 0.0373 0.0374 0.0375

 Columns 377 through 380

 0.0376 0.0377 0.0378 0.0379

 Columns 381 through 384

 0.038 0.0381 0.0382 0.0383

 Columns 385 through 388

 0.0384 0.0385 0.0386 0.0387

 Columns 389 through 392

 0.0388 0.0389 0.039 0.0391

 Columns 393 through 396

 0.0392 0.0393 0.0394 0.0395

 Columns 397 through 400

 0.0396 0.0397 0.0398 0.0399

 Columns 401 through 404

 0.04 0.0401 0.0402 0.0403

 Columns 405 through 408

 0.0404 0.0405 0.0406 0.0407

 Columns 409 through 412

 0.0408 0.0409 0.041 0.0411

 Columns 413 through 416

 0.0412 0.0413 0.0414 0.0415

 Columns 417 through 420

 0.0416 0.0417 0.0418 0.0419

 Columns 421 through 424

 0.042 0.0421 0.0422 0.0423

 Columns 425 through 428

 0.0424 0.0425 0.0426 0.0427

 Columns 429 through 432

 0.0428 0.0429 0.043 0.0431

 Columns 433 through 436

 0.0432 0.0433 0.0434 0.0435

 Columns 437 through 440

 0.0436 0.0437 0.0438 0.0439

 Columns 441 through 444

 0.044 0.0441 0.0442 0.0443

 Columns 445 through 448

 0.0444 0.0445 0.0446 0.0447

 Columns 449 through 452

 0.0448 0.0449 0.045 0.0451

 Columns 453 through 456

 0.0452 0.0453 0.0454 0.0455

 Columns 457 through 460

 0.0456 0.0457 0.0458 0.0459

 Columns 461 through 464

 0.046 0.0461 0.0462 0.0463

 Columns 465 through 468

 0.0464 0.0465 0.0466 0.0467

 Columns 469 through 472

 0.0468 0.0469 0.047 0.0471

 Columns 473 through 476

 0.0472 0.0473 0.0474 0.0475

 Columns 477 through 480

 0.0476 0.0477 0.0478 0.0479

 Columns 481 through 484

 0.048 0.0481 0.0482 0.0483

 Columns 485 through 488

 0.0484 0.0485 0.0486 0.0487

 Columns 489 through 492

 0.0488 0.0489 0.049 0.0491

 Columns 493 through 496

 0.0492 0.0493 0.0494 0.0495

 Columns 497 through 500

 0.0496 0.0497 0.0498 0.0499

 Columns 501 through 504

 0.05 0.0501 0.0502 0.0503

 Columns 505 through 508

 0.0504 0.0505 0.0506 0.0507

 Columns 509 through 512

 0.0508 0.0509 0.051 0.0511

 Columns 513 through 516

 0.0512 0.0513 0.0514 0.0515

 Columns 517 through 520

 0.0516 0.0517 0.0518 0.0519

 Columns 521 through 524

 0.052 0.0521 0.0522 0.0523

 Columns 525 through 528

 0.0524 0.0525 0.0526 0.0527

 Columns 529 through 532

 0.0528 0.0529 0.053 0.0531

 Columns 533 through 536

 0.0532 0.0533 0.0534 0.0535

 Columns 537 through 540

 0.0536 0.0537 0.0538 0.0539

 Columns 541 through 544

 0.054 0.0541 0.0542 0.0543

 Columns 545 through 548

 0.0544 0.0545 0.0546 0.0547

 Columns 549 through 552

 0.0548 0.0549 0.055 0.0551

 Columns 553 through 556

 0.0552 0.0553 0.0554 0.0555

 Columns 557 through 560

 0.0556 0.0557 0.0558 0.0559

 Columns 561 through 564

 0.056 0.0561 0.0562 0.0563

 Columns 565 through 568

 0.0564 0.0565 0.0566 0.0567

 Columns 569 through 572

 0.0568 0.0569 0.057 0.0571

 Columns 573 through 576

 0.0572 0.0573 0.0574 0.0575

 Columns 577 through 580

 0.0576 0.0577 0.0578 0.0579

 Columns 581 through 584

 0.058 0.0581 0.0582 0.0583

 Columns 585 through 588

 0.0584 0.0585 0.0586 0.0587

 Columns 589 through 592

 0.0588 0.0589 0.059 0.0591

 Columns 593 through 596

 0.0592 0.0593 0.0594 0.0595

 Columns 597 through 600

 0.0596 0.0597 0.0598 0.0599

 Columns 601 through 604

 0.06 0.0601 0.0602 0.0603

 Columns 605 through 608

 0.0604 0.0605 0.0606 0.0607

 Columns 609 through 612

 0.0608 0.0609 0.061 0.0611

 Columns 613 through 616

 0.0612 0.0613 0.0614 0.0615

 Columns 617 through 620

 0.0616 0.0617 0.0618 0.0619

 Columns 621 through 624

 0.062 0.0621 0.0622 0.0623

 Columns 625 through 628

 0.0624 0.0625 0.0626 0.0627

 Columns 629 through 632

 0.0628 0.0629 0.063 0.0631

 Columns 633 through 636

 0.0632 0.0633 0.0634 0.0635

 Columns 637 through 640

 0.0636 0.0637 0.0638 0.0639

 Columns 641 through 644

 0.064 0.0641 0.0642 0.0643

 Columns 645 through 648

 0.0644 0.0645 0.0646 0.0647

 Columns 649 through 652

 0.0648 0.0649 0.065 0.0651

 Columns 653 through 656

 0.0652 0.0653 0.0654 0.0655

 Columns 657 through 660

 0.0656 0.0657 0.0658 0.0659

 Columns 661 through 664

 0.066 0.0661 0.0662 0.0663

 Columns 665 through 668

 0.0664 0.0665 0.0666 0.0667

 Columns 669 through 672

 0.0668 0.0669 0.067 0.0671

 Columns 673 through 676

 0.0672 0.0673 0.0674 0.0675

 Columns 677 through 680

 0.0676 0.0677 0.0678 0.0679

 Columns 681 through 684

 0.068 0.0681 0.0682 0.0683

 Columns 685 through 688

 0.0684 0.0685 0.0686 0.0687

 Columns 689 through 692

 0.0688 0.0689 0.069 0.0691

 Columns 693 through 696

 0.0692 0.0693 0.0694 0.0695

 Columns 697 through 700

 0.0696 0.0697 0.0698 0.0699

 Columns 701 through 704

 0.07 0.0701 0.0702 0.0703

 Columns 705 through 708

 0.0704 0.0705 0.0706 0.0707

 Columns 709 through 712

 0.0708 0.0709 0.071 0.0711

 Columns 713 through 716

 0.0712 0.0713 0.0714 0.0715

 Columns 717 through 720

 0.0716 0.0717 0.0718 0.0719

 Columns 721 through 724

 0.072 0.0721 0.0722 0.0723

 Columns 725 through 728

 0.0724 0.0725 0.0726 0.0727

 Columns 729 through 732

 0.0728 0.0729 0.073 0.0731

 Columns 733 through 736

 0.0732 0.0733 0.0734 0.0735

 Columns 737 through 740

 0.0736 0.0737 0.0738 0.0739

 Columns 741 through 744

 0.074 0.0741 0.0742 0.0743

 Columns 745 through 748

 0.0744 0.0745 0.0746 0.0747

 Columns 749 through 752

 0.0748 0.0749 0.075 0.0751

 Columns 753 through 756

 0.0752 0.0753 0.0754 0.0755

 Columns 757 through 760

 0.0756 0.0757 0.0758 0.0759

 Columns 761 through 764

 0.076 0.0761 0.0762 0.0763

 Columns 765 through 768

 0.0764 0.0765 0.0766 0.0767

 Columns 769 through 772

 0.0768 0.0769 0.077 0.0771

 Columns 773 through 776

 0.0772 0.0773 0.0774 0.0775

 Columns 777 through 780

 0.0776 0.0777 0.0778 0.0779

 Columns 781 through 784

 0.078 0.0781 0.0782 0.0783

 Columns 785 through 788

 0.0784 0.0785 0.0786 0.0787

 Columns 789 through 792

 0.0788 0.0789 0.079 0.0791

 Columns 793 through 796

 0.0792 0.0793 0.0794 0.0795

 Columns 797 through 800

 0.0796 0.0797 0.0798 0.0799

 Columns 801 through 804

 0.08 0.0801 0.0802 0.0803

 Columns 805 through 808

 0.0804 0.0805 0.0806 0.0807

 Columns 809 through 812

 0.0808 0.0809 0.081 0.0811

 Columns 813 through 816

 0.0812 0.0813 0.0814 0.0815

 Columns 817 through 820

 0.0816 0.0817 0.0818 0.0819

 Columns 821 through 824

 0.082 0.0821 0.0822 0.0823

 Columns 825 through 828

 0.0824 0.0825 0.0826 0.0827

 Columns 829 through 832

 0.0828 0.0829 0.083 0.0831

 Columns 833 through 836

 0.0832 0.0833 0.0834 0.0835

 Columns 837 through 840

 0.0836 0.0837 0.0838 0.0839

 Columns 841 through 844

 0.084 0.0841 0.0842 0.0843

 Columns 845 through 848

 0.0844 0.0845 0.0846 0.0847

 Columns 849 through 852

 0.0848 0.0849 0.085 0.0851

 Columns 853 through 856

 0.0852 0.0853 0.0854 0.0855

 Columns 857 through 860

 0.0856 0.0857 0.0858 0.0859

 Columns 861 through 864

 0.086 0.0861 0.0862 0.0863

 Columns 865 through 868

 0.0864 0.0865 0.0866 0.0867

 Columns 869 through 872

 0.0868 0.0869 0.087 0.0871

 Columns 873 through 876

 0.0872 0.0873 0.0874 0.0875

 Columns 877 through 880

 0.0876 0.0877 0.0878 0.0879

 Columns 881 through 884

 0.088 0.0881 0.0882 0.0883

 Columns 885 through 888

 0.0884 0.0885 0.0886 0.0887

 Columns 889 through 892

 0.0888 0.0889 0.089 0.0891

 Columns 893 through 896

 0.0892 0.0893 0.0894 0.0895

 Columns 897 through 900

 0.0896 0.0897 0.0898 0.0899

 Columns 901 through 904

 0.09 0.0901 0.0902 0.0903

 Columns 905 through 908

 0.0904 0.0905 0.0906 0.0907

 Columns 909 through 912

 0.0908 0.0909 0.091 0.0911

 Columns 913 through 916

 0.0912 0.0913 0.0914 0.0915

 Columns 917 through 920

 0.0916 0.0917 0.0918 0.0919

 Columns 921 through 924

 0.092 0.0921 0.0922 0.0923

 Columns 925 through 928

 0.0924 0.0925 0.0926 0.0927

 Columns 929 through 932

 0.0928 0.0929 0.093 0.0931

 Columns 933 through 936

 0.0932 0.0933 0.0934 0.0935

 Columns 937 through 940

 0.0936 0.0937 0.0938 0.0939

 Columns 941 through 944

 0.094 0.0941 0.0942 0.0943

 Columns 945 through 948

 0.0944 0.0945 0.0946 0.0947

 Columns 949 through 952

 0.0948 0.0949 0.095 0.0951

 Columns 953 through 956

 0.0952 0.0953 0.0954 0.0955

 Columns 957 through 960

 0.0956 0.0957 0.0958 0.0959

 Columns 961 through 964

 0.096 0.0961 0.0962 0.0963

 Columns 965 through 968

 0.0964 0.0965 0.0966 0.0967

 Columns 969 through 972

 0.0968 0.0969 0.097 0.0971

 Columns 973 through 976

 0.0972 0.0973 0.0974 0.0975

 Columns 977 through 980

 0.0976 0.0977 0.0978 0.0979

 Columns 981 through 984

 0.098 0.0981 0.0982 0.0983

 Columns 985 through 988

 0.0984 0.0985 0.0986 0.0987

 Columns 989 through 992

 0.0988 0.0989 0.099 0.0991

 Columns 993 through 996

 0.0992 0.0993 0.0994 0.0995

 Columns 997 through 1000

 0.0996 0.0997 0.0998 0.0999

 Columns 1001 through 1004

 0.1 0.1001 0.1002 0.1003

 Columns 1005 through 1008

 0.1004 0.1005 0.1006 0.1007

 Columns 1009 through 1012

 0.1008 0.1009 0.101 0.1011

 Columns 1013 through 1016

 0.1012 0.1013 0.1014 0.1015

 Columns 1017 through 1020

 0.1016 0.1017 0.1018 0.1019

 Columns 1021 through 1024

 0.102 0.1021 0.1022 0.1023

 Columns 1025 through 1028

 0.1024 0.1025 0.1026 0.1027

 Columns 1029 through 1032

 0.1028 0.1029 0.103 0.1031

 Columns 1033 through 1036

 0.1032 0.1033 0.1034 0.1035

 Columns 1037 through 1040

 0.1036 0.1037 0.1038 0.1039

 Columns 1041 through 1044

 0.104 0.1041 0.1042 0.1043

 Columns 1045 through 1048

 0.1044 0.1045 0.1046 0.1047

 Columns 1049 through 1052

 0.1048 0.1049 0.105 0.1051

 Columns 1053 through 1056

 0.1052 0.1053 0.1054 0.1055

 Columns 1057 through 1060

 0.1056 0.1057 0.1058 0.1059

 Columns 1061 through 1064

 0.106 0.1061 0.1062 0.1063

 Columns 1065 through 1068

 0.1064 0.1065 0.1066 0.1067

 Columns 1069 through 1072

 0.1068 0.1069 0.107 0.1071

 Columns 1073 through 1076

 0.1072 0.1073 0.1074 0.1075

 Columns 1077 through 1080

 0.1076 0.1077 0.1078 0.1079

 Columns 1081 through 1084

 0.108 0.1081 0.1082 0.1083

 Columns 1085 through 1088

 0.1084 0.1085 0.1086 0.1087

 Columns 1089 through 1092

 0.1088 0.1089 0.109 0.1091

 Columns 1093 through 1096

 0.1092 0.1093 0.1094 0.1095

 Columns 1097 through 1100

 0.1096 0.1097 0.1098 0.1099

 Columns 1101 through 1104

 0.11 0.1101 0.1102 0.1103

 Columns 1105 through 1108

 0.1104 0.1105 0.1106 0.1107

 Columns 1109 through 1112

 0.1108 0.1109 0.111 0.1111

 Columns 1113 through 1116

 0.1112 0.1113 0.1114 0.1115

 Columns 1117 through 1120

 0.1116 0.1117 0.1118 0.1119

 Columns 1121 through 1124

 0.112 0.1121 0.1122 0.1123

 Columns 1125 through 1128

 0.1124 0.1125 0.1126 0.1127

 Columns 1129 through 1132

 0.1128 0.1129 0.113 0.1131

 Columns 1133 through 1136

 0.1132 0.1133 0.1134 0.1135

 Columns 1137 through 1140

 0.1136 0.1137 0.1138 0.1139

 Columns 1141 through 1144

 0.114 0.1141 0.1142 0.1143

 Columns 1145 through 1148

 0.1144 0.1145 0.1146 0.1147

 Columns 1149 through 1152

 0.1148 0.1149 0.115 0.1151

 Columns 1153 through 1156

 0.1152 0.1153 0.1154 0.1155

 Columns 1157 through 1160

 0.1156 0.1157 0.1158 0.1159

 Columns 1161 through 1164

 0.116 0.1161 0.1162 0.1163

 Columns 1165 through 1168

 0.1164 0.1165 0.1166 0.1167

 Columns 1169 through 1172

 0.1168 0.1169 0.117 0.1171

 Columns 1173 through 1176

 0.1172 0.1173 0.1174 0.1175

 Columns 1177 through 1180

 0.1176 0.1177 0.1178 0.1179

 Columns 1181 through 1184

 0.118 0.1181 0.1182 0.1183

 Columns 1185 through 1188

 0.1184 0.1185 0.1186 0.1187

 Columns 1189 through 1192

 0.1188 0.1189 0.119 0.1191

 Columns 1193 through 1196

 0.1192 0.1193 0.1194 0.1195

 Columns 1197 through 1200

 0.1196 0.1197 0.1198 0.1199

 Columns 1201 through 1204

 0.12 0.1201 0.1202 0.1203

 Columns 1205 through 1208

 0.1204 0.1205 0.1206 0.1207

 Columns 1209 through 1212

 0.1208 0.1209 0.121 0.1211

 Columns 1213 through 1216

 0.1212 0.1213 0.1214 0.1215

 Columns 1217 through 1220

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 Columns 1221 through 1224

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 Columns 2473 through 2476

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 Columns 2477 through 2480

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 Columns 2481 through 2484

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 Columns 2485 through 2488

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 Columns 2489 through 2492

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 Columns 2493 through 2496

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 Columns 2497 through 2500

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 Columns 2501 through 2504

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 Columns 2505 through 2508

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 Columns 2509 through 2512

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 Columns 2513 through 2516

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 Columns 2517 through 2520

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 Columns 2521 through 2524

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 Columns 2525 through 2528

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 Columns 2529 through 2532

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 Columns 2533 through 2536

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 Columns 2537 through 2540

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 Columns 2541 through 2544

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 Columns 2553 through 2556

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 Columns 2557 through 2560

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 Columns 2561 through 2564

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 Columns 2565 through 2568

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 Columns 2569 through 2572

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 Columns 2593 through 2596

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 Columns 2597 through 2600

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 Columns 2601 through 2604

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 Columns 2605 through 2608

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 Columns 2609 through 2612

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 Columns 2613 through 2616

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 Columns 2633 through 2636

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 Columns 2649 through 2652

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 Columns 2653 through 2656

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 Columns 2665 through 2668

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 Columns 2669 through 2672

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 Columns 2673 through 2676

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 Columns 2677 through 2680

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 Columns 2693 through 2696

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 Columns 2697 through 2700

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Output truncated. Text exceeds maximum line length for Command Window display.

P(t) =

(25\*pi\*cos((pi\*t)/5)\*cos(25\*pi\*t))/8

Pn(t) =

[ (25\*pi)/8, (25\*pi\*cos(pi/400)\*cos(pi/50000))/8, (25\*pi\*cos(pi/200)\*cos(pi/25000))/8, (25\*pi\*cos((3\*pi)/400)\*cos((3\*pi)/50000))/8, (25\*pi\*cos(pi/100)\*cos(pi/12500))/8, (25\*pi\*cos(pi/80)\*cos(pi/10000))/8, (25\*pi\*cos((3\*pi)/200)\*cos((3\*pi)/25000))/8, (25\*pi\*cos((7\*pi)/400)\*cos((7\*pi)/50000))/8, (25\*pi\*cos(pi/50)\*cos(pi/6250))/8, (25\*pi\*cos((9\*pi)/400)\*cos((9\*pi)/50000))/8, (25\*pi\*cos(pi/40)\*cos(pi/5000))/8, (25\*pi\*cos((11\*pi)/400)\*cos((11\*pi)/50000))/8, (25\*pi\*cos((3\*pi)/100)\*cos((3\*pi)/12500))/8, (25\*pi\*cos((13\*pi)/400)\*cos((13\*pi)/50000))/8, (25\*pi\*cos((7\*pi)/200)\*cos((7\*pi)/25000))/8, (25\*pi\*cos((3\*pi)/80)\*cos((3\*pi)/10000))/8, (25\*pi\*cos(pi/25)\*cos(pi/3125))/8, (25\*pi\*cos((17\*pi)/400)\*cos((17\*pi)/50000))/8, (25\*pi\*cos((9\*pi)/200)\*cos((9\*pi)/25000))/8, (25\*pi\*cos((19\*pi)/400)\*cos((19\*pi)/50000))/8, (25\*pi\*cos(pi/20)\*cos(pi/2500))/8, (25\*pi\*cos((21\*pi)/400)\*cos((21\*pi)/50000))/8, 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