

DIANAM LORRETA ZAGREBI
 17/ENG06/021
 MECHANICAL ENGINEERING
 EOG 302

Assignment One
 A differential equation is a relationship between an independent variable x , and a dependent variable y and one or more derivatives of y with respect to x
 e.g. $x^2 \frac{dy}{dx} = y \cdot \cos x = 0$

$$\cos^2 x \frac{dy}{dx} + y = 1$$

$$y = Ae^{4x} + Be^{-6x}$$

$$\frac{dy}{dx} = -4Ae^{-4x} + (-6Be^{-6x})$$

$$= -4Ae^{-4x} - 6Be^{-6x}$$

$$\frac{d^2y}{dx^2} = 16Ae^{-4x} + 36Be^{-6x}$$

From equation 2

$$\frac{dy}{dx} = -4Ae^{-4x} - 6Be^{-6x}$$

$$4Ae^{-4x} = \left[\frac{-dy}{dx} - 6Be^{-6x} \right]^{1/4}$$

$$A = \left[\frac{-dy}{dx} - 6Be^{-6x} \right]^{1/4} e^{-4x}$$

... Mr. Graving, the...
 ... when Britain pulls...
 ... Union.
 ... Mr. Graving, the...
 ... told BBC Radio 4's Today...
 ... that Seaborne had been...
 ... by a team of civil serv...
 ... chosen, after concerns...
 ... its ability to fulfil the...
 ... new start-up business...
 ... supporting new busi...
 ... nothing wrong with I...
 ... have looked very...
 ... business and have p...
 ... contract that make...
 ... deliver for us.
 ... Seaborne is aiming...
 ... ferries from Rams...
 ... port of Ostend...
 ... two times in late Marc...
 ... to last by the end of...
 ... It was established tw...
 ... had been in negotiati...
 ... ferries between...
 ... Ostend, but no services...
 ... running. Narrow berth...
 ... port mean there are...
 ... commercial vessels avail...
 ... In a statement at the en...
 ... ber, Seaborne said it had be...
 ... by shareholders during a d...
 ... phase involving "locating st...
 ... seek making arrangements...
 ... ports of Ostend and Rams...
 ... the infrastructure... as well...
 ... the ferries once they start op...
 ... MP who backs a second refe...
 ... and supports the Best for...
 ... campaign group, said: "Th...
 ... descended into farce. Support...
 ... million-pound ferry awarding a...
 ... party with the ships is quite an...
 ... "If Chris Grayling is seriou...
 ... supporting new British busin...
 ... might wish to reconsider his posi...
 ... the damaging Brexit his govern...
 ... pushing and give the people the...
 ... say," Mr. Graving also...
 ... he expected Chair...
 ... normally after Br...
 ... exited the tra...

told BBC Radio 4's Today programme that Seaborn had been chosen, after concern over its ability to fulfil the new start-up business supporting new business nothing wrong with have looked very business and have a contract that make deliver for us."

Seaborn is aiming ferries from Ramsgate to Belgium port of Ostend. It was established by two ships in late March to ferry by the end of the year.

It has been established by two ships in late March to ferry by the end of the year. It has been established by two ships in late March to ferry by the end of the year.

In a statement at the end of the year, Seaborn said it had been established by two ships in late March to ferry by the end of the year.

Seaborn said it had been established by two ships in late March to ferry by the end of the year. It has been established by two ships in late March to ferry by the end of the year.

Seaborn said it had been established by two ships in late March to ferry by the end of the year. It has been established by two ships in late March to ferry by the end of the year.

$$y = \frac{-5}{12} \frac{dy}{dx} - \frac{1}{24} \frac{d^2y}{dx^2}$$

$$y = \left[\frac{-5dy}{dx} - \frac{1}{24} \frac{d^2y}{dx^2} \right] \frac{1}{12}$$