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 sizing: power -sizing exponent Size
 (capacity) of asset B Size (capacity) of

asset A Cost of asset B Cost of asset A = =
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Merwan Mehta's Applied Engineering Economics Using Excel is one of the most innovative textbooks for teaching the fundamentals of engineering economics. Written clearly and concisely to allow a firm grasp of the concepts, this is a noncalculus-based book geared toward teaching undergraduate and graduate students with a wide range of technical backgrounds.

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Exercise 2: Your engineering firm needs a rapid prototyping machine. The company gives you two options. In Option 1 you purchase the machine outright for \$50,000, pay a maintenance contract of \$1,000 per year, and expect to be able to resell the machine after 10 years at a salvage value of \$10,000.

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computed directly in Excel and the program includes a number of built in financial functions. Engineering Finance - Computation Course Outline. This course will cover spreadsheet based analysis for general purpose engineering use. It will focus on using basic calculations, formulas and graphs within Microsoft Excel™. Several sample problems will be modeled, accompanied by sample spreadsheets which may be downloaded and used for understanding the examples. Excel Spreadsheet Basics for Engineers - a PDH Online ... More Interest Formulas . Arithmetic Gradient Series Go to questions covering topic below. Suppose that there is a series of "n" payments uniformly spaced but differing from one period to the next by a constant. Arithmetic Gradient Series

Formulas Compound Interest i = Interest rate per interest period. n = Number of interest periods. P = A present sum of money. F = A future sum of money. A = An end-of-period cash receipt or disbursement in a uniform series continuing for n periods. G = Uniform period-by-period increase or decrease in cash receipts or disbursements. g = Uniform rate of cash flow increase or

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Notations used: P = Principle amount F = Future amount at the end of the year 'n' n = Number of interest periods i = Interest rate A = Equal amount deposited at the end of every interest period G = Uniform amount which will be added/subtracted

period ... MG 6863 FORMULA SHEET ENGINEERING ECONOMICS We will begin by defining Uniform Gradient Payment Formulas, discuss the general work flow, and then run through an example of something we may see on the exam. Economics Add-in. The computational tool of choice for this course is Microsoft Excel. This program is widely used and is available for Windows and Mac OS. The factor formulas can be computed directly in Excel and the program includes a number of built in financial functions. In the following video tutorial we will use Excel to calculate the present, future, and equivalent worth for a series of year-end cash flows which will extend over a period of n years (this case 8 ... [Time Value of Money Excel Spreadsheet for Engineering ...](#) Welcome to Spreadsheet Modeling for Engineering Economy, an electronic supplement to accompany the Twelfth Edition of Engineering Economy by Sullivan, Wicks, and Luxhoj. This supplement has Microsoft Excel 4.0 (.xls) browsable spreadsheet files. The chapter numbers and all notation correspond between all files and documents.

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