

10.34 Numerical Methods Applied to Chemical Engineering**Homework #0****Date:** 9/3/2014**Due:** 9/10/2014**Problem 1.** This is the beginning of Problem 1...

1. Start typing for part 1. This problem solves for the conversion of a batch reactor.

$$\mathbf{Ax} = \mathbf{b} \tag{1}$$

The general linear system is shown in (1) with $\mathbf{A} \in \mathbb{R}^{n \times m}$, $\mathbf{x} \in \mathbb{R}^m$, and $\mathbf{b} \in \mathbb{R}^n$. The solution to this systems is $\hat{\mathbf{x}}$.

2. Different types of fonts can be used (e.g., the MATLAB[®] font is `norm`)

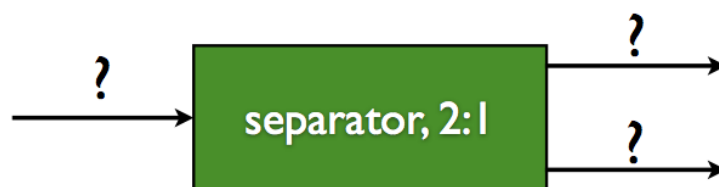


Figure 1: Insert caption text

Problem 2. This is the beginning of Problem 2...

1. Example of how to insert a figure

Figure 1 is taken from Linear Algebra Lecture 1

2. Example of how to insert a table

Table 1: Insert caption text

N	Leibniz	Newton
1	0.66667	0.66667
2	0.86667	0.73333

Above table is taken from Linear Algebra Lecture 1

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