

ESO 208A; ESO 218

Computational methods in engineering

Tutorial # 3

August 29, 2013

Solve:

$$x_1 + x_2 - x_3 = -3$$

$$6x_1 + 2x_2 + 2x_3 = 2$$

$$-3x_1 + 4x_2 + x_3 = 1$$

with

1. Naïve Gauss Elimination;
2. Gauss Elimination with partial pivoting;
and
3. Gauss-Jordan without partial pivoting.