

Math 4133 - Linear Algebra

Quiz #8 - 2013.02.04

Solutions

1. When solving the equation $AX = B$ by LU -factorization, what two equations do you end up solving instead?

We have $A = LU$, so we start with $LUX = B$, which should not be solved directly. We instead let $UX = Y$, which requires us to solve $LY = B$ first.