

Numerical Formula Sheet

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1 LU

1.1

- 1
-

1.2

, $A = LU$ (L, U **-0**).

1.3 LU

.
, .

1.4 -LU

: $\underline{b} = A\underline{x} = LU\underline{x} = L(U\underline{x}) = L\underline{y}$

- 1. $U\underline{x} = \underline{y} \quad L\underline{y} = \underline{b} \quad .$
- 2. $U\underline{x} = \underline{y} \quad .$

2

/

LU

$\frac{1}{2}n^2$

$\frac{n^3}{3}$

$4\frac{n^3}{3}$

3

3.1

3.1.1 :

()