MATLAB Function Reference

linspace
Generate linearly spaced vectors

Syntax

\[ y = \text{linspace}(a,b) \]
\[ y = \text{linspace}(a,b,n) \]

Description

The **linspace** function generates linearly spaced vectors. It is similar to the colon operator ":", but gives direct control over the number of points.

\[ y = \text{linspace}(a,b) \] generates a row vector \( y \) of 100 points linearly spaced between and including \( a \) and \( b \).

\[ y = \text{linspace}(a,b,n) \] generates a row vector \( y \) of \( n \) points linearly spaced between and including \( a \) and \( b \).

See Also

logspace

The **colon operator** :

\linsolve \listdlg

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