
TandTinv

Computes the transformation matrix and the inverse transformation matrix for a unidirectional lamina

Inputs

angle - Angle of ply in degrees

Outputs

[T] - Transformation matrix
[Tinv] - Inverse transformation matrix

Calling the Function

`[T,Tinv]=TandTinv(angle)`

Testing File

Click [here](#) to see a testing file for using the function TandTinv

Example

Inputs:

Angle of Lamina: 60

Outputs:

Transformation Matrix

0.2500	0.7500	0.8660
0.7500	0.2500	-0.8660
-0.4330	0.4330	-0.5000

Inverse Transformation Matrix

0.2500	0.7500	-0.8660
0.7500	0.2500	0.8660
0.4330	-0.4330	-0.5000

Description

Outputs the transformation matrix and the inverse transformation matrix for a unidirectional lamina