TMULT

Table of Contents

Realiza a multiplicação de duas matrizes de transformação homogênea entre si.

Calling Syntax

crela = tmult(brela, crelb)

I/O Variables

IN Double Matrix **brela**: Homogeneous Transformation Matrix 4x4

IN Double Matrix **crelb**: Homogeneous Transformation Matrix 4x4

OU Double Matrix **crela**: Homogeneous Transformation Matrix 4x4

Example

```
brela = [0 -1 0 1;
         1  0 0 0;
         0  0 1 0;
         0  0 0 1]
crelb = [0 -1 0 0;
         1  0 0 1;
         0  0 1 0;
         0  0 0 1]
crela = tmult(brela, crelb)
crela =

  -1     0     0     0
   0    -1     0     0
   0     0     1     0
   0     0     0     1
```

Version Control

1.0; Leonardo da Cunha Menegon, Michel Kagan, Vinícius Nardelli; 01/05/2023; First issue.

Function

```
function [crela] = tmult(brela, crelb)
```

Validity

```
arguments
    brela {functions.mustBeHomTransfR}
    crelb {functions.mustBeHomTransfR}
end
```

Main Calculations & Output Data

```
crela = brela * crelb;

end
```

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