TINVERT

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Retorna o inverso de uma transformação homogênea

Calling Syntax

function [arelb] = tinvert(brela)

I/O Variables

`IN Double Matrix` **brela**: B relative to A Homogeneous Transformation Matrix 4x4

`OU Double Matrix` **arelb**: A relative to B Homogeneous Transformation Matrix 4x4

Example

```
brela = [0.866 -0.5  0  11;
         0.5  0.866  0  -1;
         0  0  1  8;
         0  0  0  1];
[arelb] = tinvert(brela);
```

Hypothesis

Matrix de tranformação homogênea válida

Function

```
function [arelb] = tinvert(brela)
    arelb = [brela(1:3,1:3).' -(brela(1:3,1:3).')*brela(1:3,4); 0 0 0
 1];
end
```

```
arelb =

    0.8660    0.5000         0   -9.0260
   -0.5000    0.8660         0    6.3660
         0         0    1.0000   -8.0000
         0         0         0    1.0000
```

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