
```
% HW_1 problem 7
clc;
clear all
close all

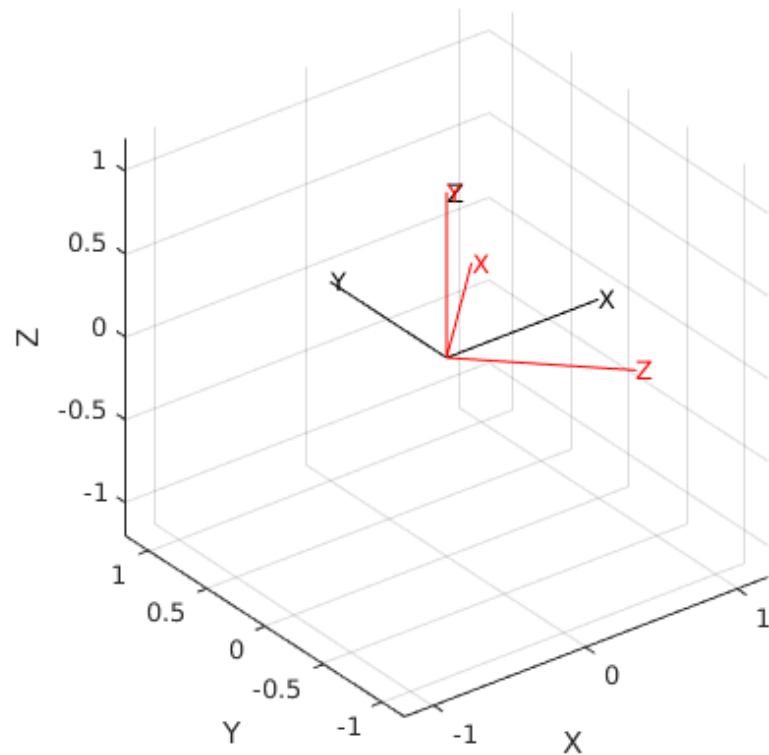
R_original_frame = [1 0 0;
                   0 1 0;
                   0 0 1];

R_new = rotz(pi/4)*roty(0)*rotx(pi/2)

figure(1)
trplot(R_original_frame, 'color', 'k')
hold on
trplot(R_new, 'color', 'r')
```

```
R_new =

    0.7071    -0.0000    0.7071
    0.7071     0.0000   -0.7071
         0     1.0000     0.0000
```



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