
```
% ECE 4560 - Homework 6, Problem 2
% Caitlyn Caggia

gi = SE2([-3; 2], pi/4);
gf = SE2([3; -3], -pi/3);
tau = 1;

disp('lie group displacement (g):');
g = inv(gi) * gf;
display(g);

disp('lie algebra element (xi):');
xi = SE2.ln(g, tau);
disp(xi);

lie group displacement (g):
    -0.2588    0.9659    0.7071
    -0.9659   -0.2588   -7.7782
         0         0    1.0000

lie algebra element (xi):
    7.6243
   -4.8209
   -1.8326
```

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