
```
function J = hw4_an_Jac_pl(a1, a2, q)
t1 = q(1);
t2 = q(2);

J = [ - a2*sin(t1 + t2) - a1*sin(t1),  a2*sin(t1 + t2),  0,  0;
      a2*cos(t1 + t2) + a1*cos(t1), -a2*cos(t1 + t2),  0,  0;
                                0,          0, -1,  0;
                                1,          -1,  0, -1];

end
```

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