

Links to Videos:

Cartesian

<https://youtu.be/03BcG0q-evQ>

Joint

<https://youtu.be/yLitghHrk1Y>

Cartesian Trajectory start and end transformation

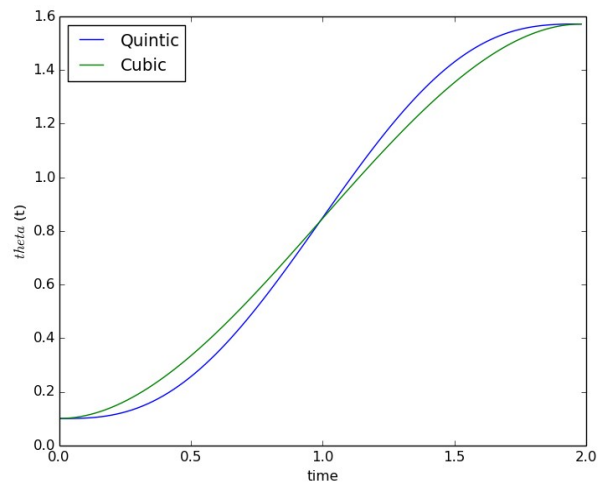
Xstart:

```
[[ 0.92165131 -0.38799379 0.00443663 -0.76385111]
 [-0.00735983 -0.02891248 -0.99955485 -0.26818803]
 [ 0.38794935 0.92120839 -0.02950279 -0.12448378]
 [ 0.    0.    0.    1.   ]]
```

Xend:

```
[[ 2.22044605e-16 -1.00000000e+00 1.11022302e-16 1.09000000e-01]
 [ 1.00000000e+00 2.22044605e-16 3.33066907e-16 2.97000000e-01]
 [-3.33066907e-16 1.11022302e-16 1.00000000e+00 -2.54000000e-01]
 [ 0.00000000e+00 0.00000000e+00 0.00000000e+00 1.00000000e+00]]
```

Joint Trajectory Quintic and Cubic



Joint trajectory with Cartesian Path

