

Github repo: <https://github.com/johnmrushing/matlab-fk>

The output from the file is

trans =

-0.5885	-0.8085	0	0.3255
0.8085	-0.5885	0	0.3660
0	0	1.0000	0
0	0	0	1.0000

0.325529 = long form x displacement

0.325529 = x displacement from transform

0.365969 = long form y displacement

0.365969 = y displacement from transform

126.050715 = long form theta displacement

126.050715 = theta displacement from transform