Exercise 7: tracking camera motions

15 fps

What's the corresponding camera movement in the above sequences ?
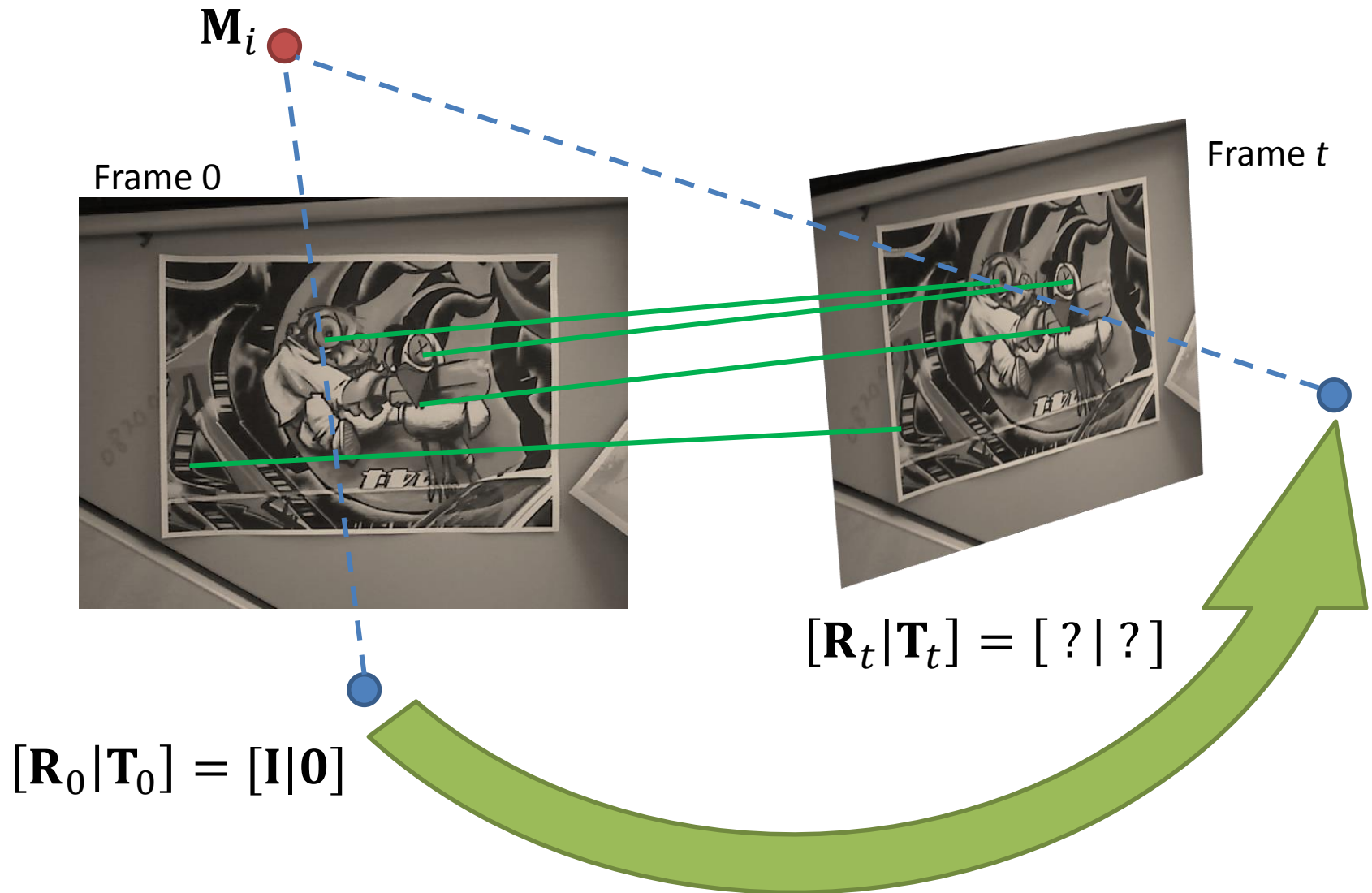
Finding correspondences

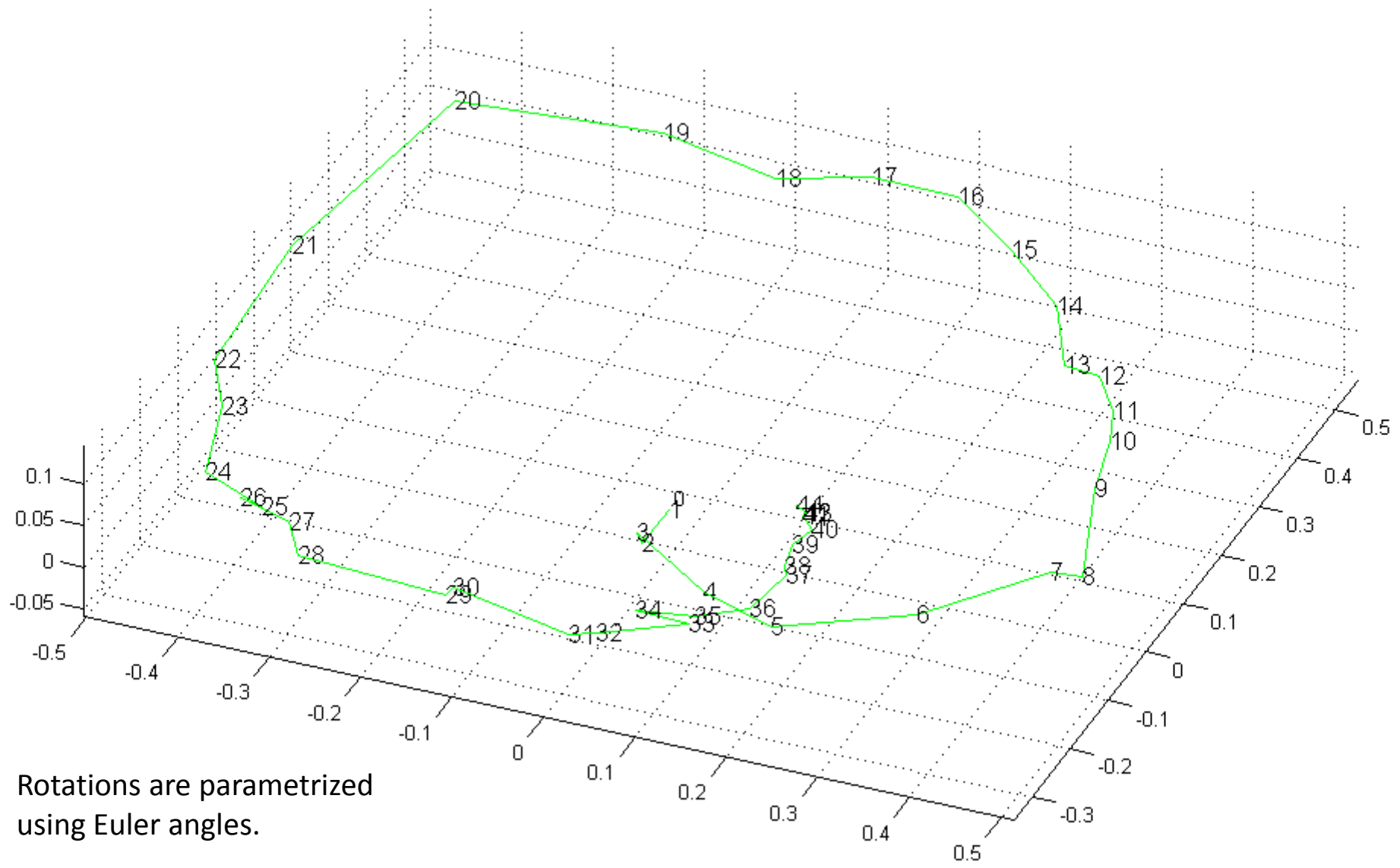similar to exercise sheet 6: SIFT, DLT, RANSAC, etc.

Estimating camera poses

$\mathbf{M}_i$

Frame 0

Frame t

$[\mathbf{R}_t | \mathbf{T}_t] = [\,?\,|\,?\,]$

$[\mathbf{R}_0 | \mathbf{T}_0] = [\mathbf{I} | \mathbf{0}]$

Example result

Rotations are parametrized
using Euler angles.