For the density construction there were three approaches to the covariance matrix for the density function.

- 1. Diagonal covariance matrix with the same value in each of the diagonal entries.
- 2. Diagonal covariance matrix with the first two diagonal enties proportional to the segment radius and the third entry proportional to the segment length.
- 3. Not necessarily diagonal matrix made by multiplying the matrix from step 2 on the right and left by the rotation matrices R and R^{-1} respectively.

HERE ARE THE ACKNOWLEDGEMENTS

References