Title

- Centroid - Star Recognition
- Star Identification:
- Different methods:
- Angle Matching
- Spherical Triangle Matching
- Planar Triangle
- Rate Matching
- Pyramid
- Voting
- Grid
- Different elements of Algorithm:
- Star Catalogue Generation
- Candidate Matching
- Result Verification
- k-vector
- Attitude Determination
- QUEST
- TRIAD
- The Fast Optimal Attitude Matrix
- The Predictive Attitude Determination
- q-method
- DCM (direction cosine matrix) - (Singular Value Decomposition?)
- Bibliography

Robot Learning Darmstadt Problems with Euler Angles: Not Unique: Many angles result in the same rotation Hard to quantify diff erences between two Euler Angles Unit-Quaternion Solves the problems of singularities with the Euler Angles Easier to compute differences of orientations Important if we want to control the orientation of the end-effector See Siciliano or Spong Textbook!

¡https://en.wikipedia.org/wiki/Apparent$_m agnitude >$

Polar moment