

Direct Solutions for Computing Fundamental & Essential Matrix

⇒ Compute the:

- ① Fundamental matrix given corresponding points
 {→ 8 Point Algorithm}
- ② Essential matrix given corresponding points
- ③ Rotation matrix & basis given an essential matrix

{
 → 8-Point Algorithm
 → Nister's 5-Point Algorithm
 }

Gold standard in present time

⇒ Allow us to estimate the Camera motion (except of the Scale)

↳ Visual odometry can be performed by integrating it with other sensor such as IMU, which can provide Scale info.

