

reference:

Unconstrained Optimization

1. [http://orbit.dtu.dk/en/publications/unconstrained-optimization-3rd-edition\(2f314513-3617-4fff-9d81-ca20e4ed9c45\).html](http://orbit.dtu.dk/en/publications/unconstrained-optimization-3rd-edition(2f314513-3617-4fff-9d81-ca20e4ed9c45).html)

Nonlinear Unconstrained Optimization

1. [http://orbit.dtu.dk/en/publications/unconstrained-optimization-3rd-edition\(2f314513-3617-4fff-9d81-ca20e4ed9c45\).html](http://orbit.dtu.dk/en/publications/unconstrained-optimization-3rd-edition(2f314513-3617-4fff-9d81-ca20e4ed9c45).html)

In case you need code

1. [http://orbit.dtu.dk/en/publications/immoptibox\(53b4f8dc-4ca7-4b6d-95c7-2df9118c91fe\).html](http://orbit.dtu.dk/en/publications/immoptibox(53b4f8dc-4ca7-4b6d-95c7-2df9118c91fe).html)
2. Google Ceres;
3. g2o;

In case you need to visualize the result

1. Pangolin;
2. ROS rviz;