

Sensor Fusion Links

C++ for Image Processing :

https://www.youtube.com/watch?v=F_vIB3yjxaM&list=PLgnQpQtFTOGR50iIOtO36nK6aNPtVq98C

C++

C++ Guidelines :

<https://isocpp.github.io/CppCoreGuidelines/CppCoreGuidelines>

C++ Reference

<https://en.cppreference.com/w/>

Eigen Library :

http://eigen.tuxfamily.org/index.php?title=Main_Page

Valgrind :

<http://valgrind.org/docs/manual/quick-start.html>

CSV File :

<https://gist.github.com/roman-smirnov/a46f6096787987a96927e05352363cc7>

CLI Arguments to avoid recompilation :

<https://gist.github.com/roman-smirnov/7614a6fc971f006642735f93fda71372>

Compiler Optimization :

<https://gist.github.com/roman-smirnov/037d293709b38f5f1739292522eb8ae5>

Github Gist :

Parameter Tweaking :

<https://gist.github.com/roman-smirnov/21b43a7a9d17486ec8451aa079a800d1>

Lidar

KD Tree Lecture :

https://www.youtube.com/watch?v=Xk1Jf_mE-EE

Lidar Lecture :

<https://www.youtube.com/watch?v=zUyaM0gLXk0&list=PLwdnzlV3ogoVINM9FCeYImsI-bzm-D8Sn&index=24>

IBEO Segmentation Paper :

http://n.ethz.ch/~cesarc/files/ITSC2018_jnitsch.pdf

Camera

Digital Image Processing :

<https://www.youtube.com/watch?v=UhDIL-tLT2U&list=PLuh62Q4Sv7BUf60vkjePfcOQc8sHxmnDX&index=1>

BRISK Paper :

<http://www.margaritachli.com/papers/ICCV2011paper.pdf>

ORB Paper :

https://www.researchgate.net/publication/22111151_ORB_an_efficient_alternative_to_SIFT_or_SURF

Radar

Radar Basics :

<https://www.radartutorial.eu/html/sm03.en.html>

Intro MIT course :

https://www.youtube.com/watch?v=Hw5IaS6-Fzw&list=PLUJAYadtuiZ_A8RC2Qk8LfmiWA56HZsk9y

FFT Matlab :

<https://www.gaussianwaves.com/2014/07/how-to-plot-fft-using-matlab-fft-of-basic-signals-sine-and-cosine-waves/>

Radar Simulation : http://www.codar.com/images/about/1990LipaBarr_FMCW.pdf

Kalman Filter

Bonn SLAM course

https://www.youtube.com/watch?v=U6vr3iNrWRA&list=PLgnQpQtFTOGQrZ4O5QzbIHgl3b1JHimN_&index=1

UKF Paper :

<https://www.seas.harvard.edu/courses/cs281/papers/unscented.pdf>

Autoware :

https://gitlab.com/autowarefoundation/autoware.auto/AutowareAuto/blob/master/src/prediction/kalman_filter/design/kalman_filter-design.md