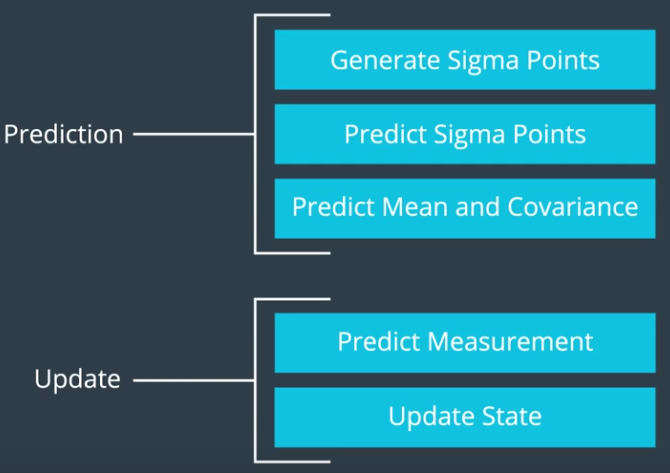
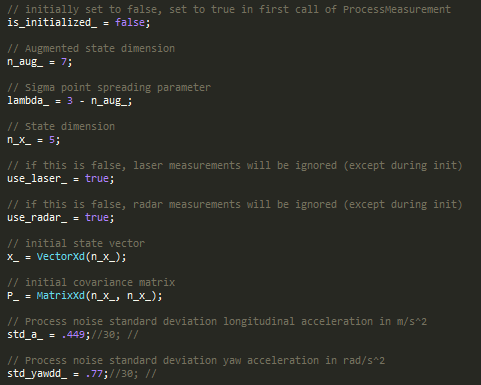
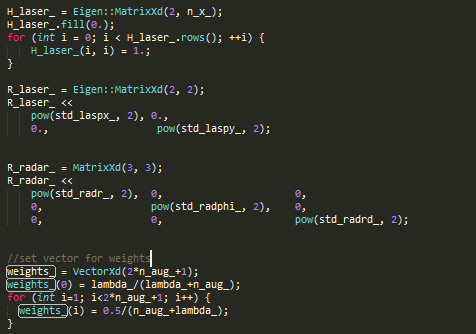
These are steps for algorithm

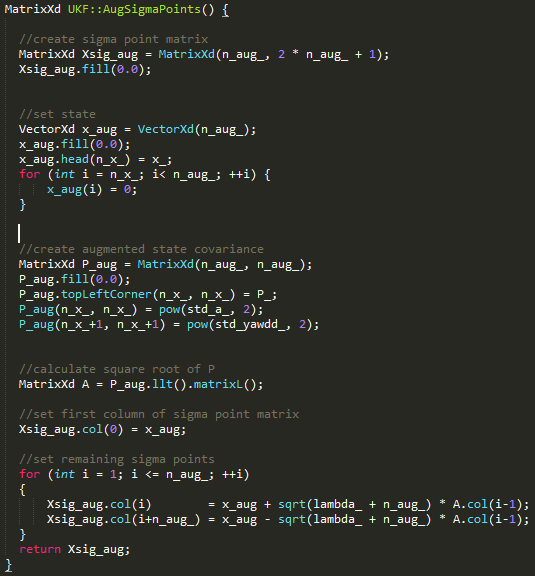
* Initialize
* Prediction: 3 steps
* Update: 2 steps



## Initialization





* Prediction Step 1: Generate Sigma Points 

## Prediction Step 2: Predict Sigma Points

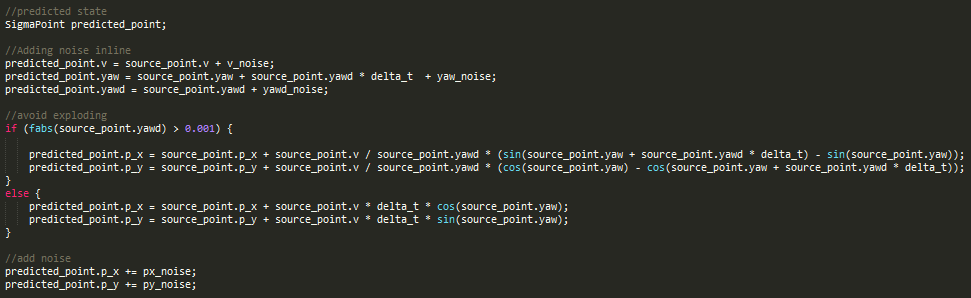
* 1. How Delta (dt) is calculated?



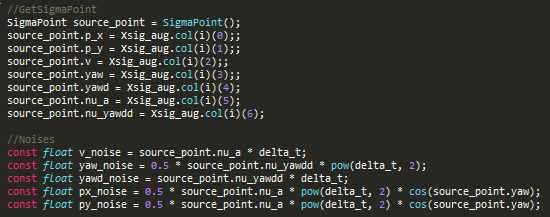
* 1. Create matrix with predicted sigma points as columns



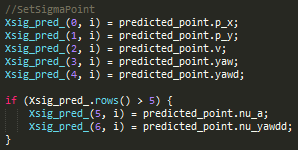
* 1. Predict state



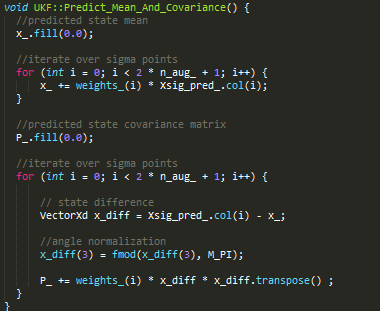
Variables used in above equation



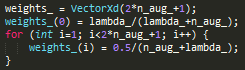
* 1. Predict Sigma Points



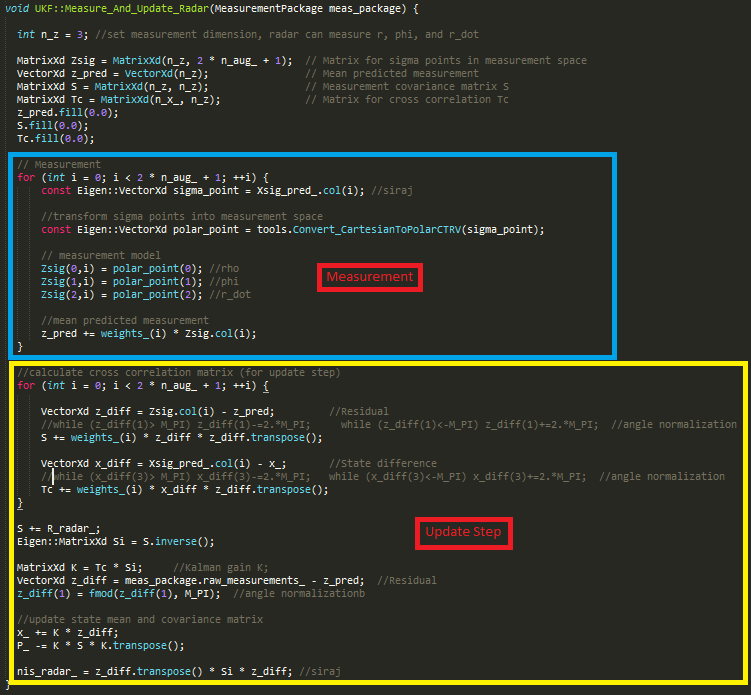
## Prediction Step 3: Predict Mean and Covariance



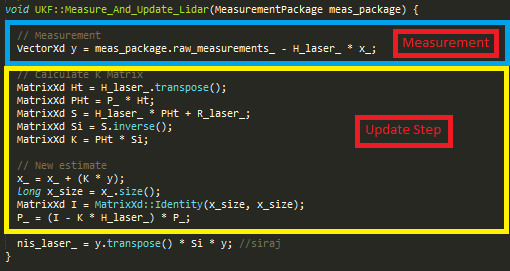
How weight is initialized



## Update: Measure and Update for Radar



## Update: Measure and Update for Lider



## RMSE Function

