tracking: {

##----------------- Tracking-help Segmentation

# threshold used for judging "contains"

# type: float

# default: 1.0 (>0.6 means without tracking help)

threshold\_contian\_IoU: 0.01,

TrackingWorker: {

##----------------- Matcher: tracker<->observed object association

matcher\_method\_name: "hungarian\_matcher",

matcher\_match\_distance\_maximum: 6.,

# motion consistency

matcher\_location\_distance\_weight: 0.4,

matcher\_direction\_distance\_weight: 0.2,

# appearance consistency

matcher\_bbox\_size\_distance\_weight: 0.1,

matcher\_point\_num\_distance\_weight: 0.1,

matcher\_histogram\_distance\_weight: 0.5,

##----------------- Tracker

# Tracker Filter setup

filter\_method\_name: "robust\_kalman\_filter",

filter\_use\_adaptive: true,

# equals to matcher\_match\_distance\_maximum

filter\_association\_score\_maximum: 8.0,

filter\_measurement\_noise: 0.4,

filter\_initial\_velocity\_noise: 300.,

# | xy\_propagation\_noise 0 0 |

# | 0 xy\_propagation\_noise 0 |

# | 0 0 z\_propagation\_noise |

filter\_xy\_propagation\_noise: 300.0,

filter\_z\_propagation\_noise: 8.0,

filter\_breakdown\_threshold\_maximum: 15.0,

# Basic Tracker setup

tracker\_cached\_history\_size\_maximum: 12,

tracker\_consecutive\_invisible\_maximum: 6,

tracker\_visible\_ratio\_minimum: 0.2,

tracker\_acceleration\_noise\_maximum: 300,

tracker\_speed\_noise\_maximum: 0.4,

##----------------- Tracking Objects collect conditions

# If true, histograms between tracker and observation are considered

# type: bool, int

# default:

tracking\_use\_histogram\_for\_match: false,

tracking\_histogram\_bin\_size: 10,

# initial tracker ages 1

# 1 for more N-samples

tracking\_collect\_age\_minimum: 1,

# sometimes, detection failed

tracking\_collect\_consecutive\_invisible\_maximum: 3,

}

}