Dependency Analyzer Report
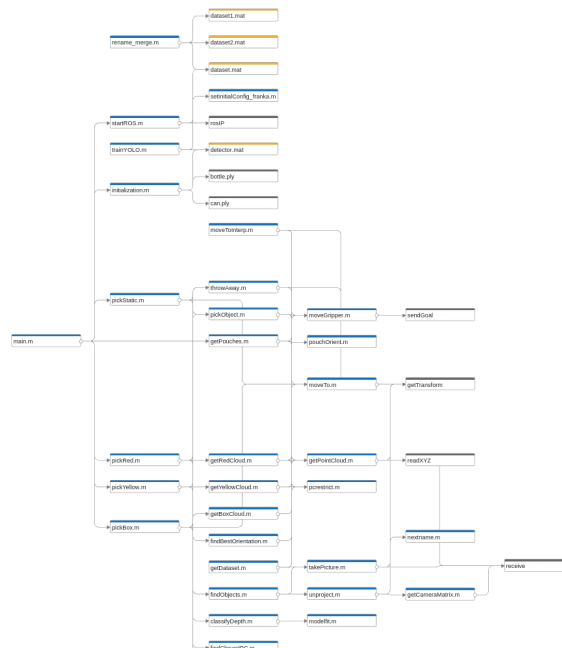
Report generated   14-May-2023 13:56:00
Files   44
Dependencies   246

Project   arm_2023
Root   /home/dennis/Desktop/arm_2023

Files

File	Type	Problems
bottle.ply	PLY File	
can.ply	PLY File	
classifyDepth.m	Function	
dataset.mat	MAT-file	
dataset1.mat	MAT-file	
dataset2.mat	MAT-file	

File	Type	Problems
detector.mat	MAT-file	
filterBox.m	Function	
findBestOrientation.m	Function	
findClosestPC.m	Function	
findObjects.m	Function	
getBoxCloud.m	Function	
getCameraMatrix.m	Function	
getDataset.m	Script	
getPointCloud.m	Function	
getPouches.m	Script	
getRedCloud.m	Function	
getTransform		Missing file
getYellowCloud.m	Function	
initialization.m	Script	
main.m	Script	
modelfit.m	Function	
moveGripper.m	Function	
moveTo.m	Function	
moveToInterp.m	Function	
nextname.m	Function	
pcrestrict.m	Function	
pickBox.m	Script	
pickObject.m	Function	
pickRed.m	Script	
pickStatic.m	Script	
pickYellow.m	Script	
pouchOrient.m	Function	
readXYZ		Missing file
receive		Missing file
rename_merge.m	Script	
rosIP		Missing file
sendGoal		Missing file
setInitialConfig_franka.m	Function	
startROS.m	Script	
takePicture.m	Function	

File	Type	Problems
throwAway.m	Function	
trainYOLO.m	Script	
unproject.m	Function	

Products

- Aerospace Toolbox
- Computer Vision Toolbox
- Deep Learning Toolbox
- Image Processing Toolbox
- MATLAB
- ROS Toolbox
- Statistics and Machine Learning Toolbox

bottle.ply

Path	$/models/bottle.ply
Type	PLY File
Last modified	02-mag-2023 13:01:22
Size (bytes)	22830

Impacted Files

File	Impacted	Required	Dependency Type
initialization.m	Line 15	bottle	Function Argument

can.ply

Path	$/models/can.ply
Type	PLY File
Last modified	02-mag-2023 13:01:22
Size (bytes)	26589

Impacted Files

File	Impacted	Required	Dependency Type
initialization.m	Line 14	can	Function Argument

classifyDepth.m

Path	$/utility/classifyDepth.m
Type	Function
Last modified	14-mag-2023 13:21:39
Size (bytes)	1536

Impacted Files

File	Impacted	Required	Dependency Type
pickBox.m	Line 55	classifyDepth	Function Call
pickRed.m	Line 42	classifyDepth	Function Call
pickYellow.m	Line 40	classifyDepth	Function Call

Required Files

File	Impacted	Required	Dependency Type
modelfit.m	classifyDepth (Line 18)	modelfit	Function Call
modelfit.m	classifyDepth (Line 19)	modelfit	Function Call
modelfit.m	classifyDepth (Line 20)	modelfit	Function Call

Required Products

Product	Impacted	Dependency Type
Computer Vision Toolbox	classifyDepth (Line 34)	Function Call
MATLAB	classifyDepth	Toolbox

dataset.mat

Path	$/YOLO4/dataset.mat
Type	MAT-file
Last modified	02-mag-2023 13:01:22

Size (bytes)	13758

Impacted Files

File	Impacted	Required	Dependency Type
rename_merge.m	Line 2	dataset	Function Argument
trainYOLO.m	Line 1	dataset	Function Argument

Required Products

Product	Impacted	Dependency Type
MATLAB	dataset	Toolbox

dataset1.mat

Path	$/YOLO4/dataset1.mat
Type	MAT-file
Last modified	14-mag-2023 13:50:49
Size (bytes)	22042584

Impacted Files

File	Impacted	Required	Dependency Type
rename_merge.m	Line 10	dataset1	Function Argument

Required Products

Product	Impacted	Dependency Type
MATLAB	dataset1	Toolbox

dataset2.mat

Path	$/YOLO4/dataset2.mat
Type	MAT-file
Last modified	14-apr-2023 19:59:11
Size (bytes)	5416

File	Impacted	Required	Dependency Type
rename_merge.m	Line 11	dataset2	Function Argument

Required Products

Product	Impacted	Dependency Type
MATLAB	dataset2	Toolbox

detector.mat

Path	$/YOLO4/detector.mat
Type	MAT-file
Last modified	02-mag-2023 13:01:22
Size (bytes)	22028956

Impacted Files

File	Impacted	Required	Dependency Type
initialization.m	Line 34	detector	Function Argument
trainYOLO.m	Line 110	detector	Function Argument

Required Products

Product	Impacted	Dependency Type
MATLAB	detector	Toolbox

filterBox.m

Path	$/utility/filterBox.m
Type	Function
Last modified	13-mag-2023 12:52:45
Size (bytes)	411

Impacted Files

File	Impacted	Required	Dependency Type
pickBox.m	Line 23	filterBox	Function Call

Required Products

Product	Impacted	Dependency Type
MATLAB	filterBox	Toolbox

findBestOrientation.m

Path	$/utility/findBestOrientation.m
Type	Function
Last modified	14-mag-2023 13:21:39
Size (bytes)	3460

Impacted Files

File	Impacted	Required	Dependency Type
pickBox.m	Line 69	findBestOrientation	Function Call
pickRed.m	Line 66	findBestOrientation	Function Call
pickYellow.m	Line 54	findBestOrientation	Function Call

Required Files

File	Impacted	Required	Dependency Type
pcrestrict.m	findBestOrientation (Line 55)	pcrestrict	Function Call

Required Products

Product	Impacted	Dependency Type
Computer Vision Toolbox	findBestOrientation (Line 54)	Function Call
MATLAB	findBestOrientation	Toolbox

findClosestPC.m

Path	$/utility/findClosestPC.m
Type	Function
Last modified	13-mag-2023 12:52:45
Size (bytes)	978

Impacted Files

File	Impacted	Required	Dependency Type
pickBox.m	Line 53	findClosestPC	Function Call
pickRed.m	Line 40	findClosestPC	Function Call
pickYellow.m	Line 38	findClosestPC	Function Call

Required Products

Product	Impacted	Dependency Type
MATLAB	findClosestPC	Toolbox

findObjects.m

Path	$/YOLO4/findObjects.m
Type	Function
Last modified	13-mag-2023 12:52:45
Size (bytes)	2084

Impacted Files

File	Impacted	Required	Dependency Type
pickBox.m	Line 14	findObjects	Function Call
pickRed.m	Line 7	findObjects	Function Call
pickYellow.m	Line 6	findObjects	Function Call

Required Files

File	Impacted	Required	Dependency Type
takePicture.m	findObjects (Line 15)	takePicture	Function Call

File	Impacted	Required	Dependency Type
takePicture.m	findObjects (Line 16)	takePicture	Function Call
unproject.m	findObjects (Line 42)	unproject	Function Call

Required Products

Product	Impacted	Dependency Type
Computer Vision Toolbox	findObjects (Line 26)	Function Call
Computer Vision Toolbox	findObjects (Line 53)	Function Call
MATLAB	findObjects	Toolbox

getBoxCloud.m

Path $/utility/getBoxCloud.m
Type   Function
Last modified   14-mag-2023 12:58:32
Size (bytes)   940

Impacted Files

File	Impacted	Required	Dependency Type
pickBox.m	Line 22	getBoxCloud	Function Call

Required Files

File	Impacted	Required	Dependency Type
getPointCloud.m	getBoxCloud (Line 17)	getPointCloud	Function Call
moveTo.m	getBoxCloud (Line 15)	moveTo	Function Call
pcrestrict.m	getBoxCloud (Line 30)	pcrestrict	Function Call

Required Products

Product	Impacted	Dependency Type
Computer Vision Toolbox	getBoxCloud (Line 23)	Function Call

Product	Impacted	Dependency Type
Computer Vision Toolbox	getBoxCloud (Line 33)	Function Call
MATLAB	getBoxCloud	Toolbox

getCameraMatrix.m

Path $/utility/getCameraMatrix.m
Type   Function
Last modified   13-mag-2023 12:52:45
Size (bytes)   392

Impacted Files

File	Impacted	Required	Dependency Type
unproject.m	unproject (Line 16)	getCameraMatrix	Function Call

Required Files

File	Impacted	Required	Dependency Type
receive	getCameraMatrix (Line 11)	receive	Function Call

Required Products

Product	Impacted	Dependency Type
MATLAB	getCameraMatrix	Toolbox
ROS Toolbox	getCameraMatrix (Line 10)	Function Call

getDataset.m

Path $/YOLO4/getDataset.m
Type   Script
Last modified   04-mag-2023 23:35:19
Size (bytes)   590

Required Files

File	Impacted	Required	Dependency Type
moveTo.m	Line 24	moveTo	Function Call
takePicture.m	Line 25	takePicture	Function Call

Required Products

Product	Impacted	Dependency Type
MATLAB	getDataset	Toolbox

getPointCloud.m

Path $/utility/getPointCloud.m
Type   Function
Last modified   13-mag-2023 12:52:45
Size (bytes)   1227

Impacted Files

File	Impacted	Required	Dependency Type
getBoxCloud.m	getBoxCloud (Line 17)	getPointCloud	Function Call
getPouches.m	Line 5	getPointCloud	Function Call
getRedCloud.m	getRedCloud (Line 20)	getPointCloud	Function Call
getYellowCloud.m	getYellowCloud (Line 19)	getPointCloud	Function Call

Required Files

File	Impacted	Required	Dependency Type
getTransform	getPointCloud (Line 11)	getTransform	Function Call
readXYZ	getPointCloud (Line 14)	readXYZ	Function Call
receive	getPointCloud (Line 13)	receive	Function Call

Required Products

Product	Impacted	Dependency Type
Computer Vision Toolbox	getPointCloud (Line 28)	Function Call
Computer Vision Toolbox	getPointCloud (Line 30)	Function Call
Image Processing Toolbox	getPointCloud (Line 23)	Function Call
MATLAB	getPointCloud	Toolbox
ROS Toolbox	getPointCloud (Line 22)	Function Call
ROS Toolbox	getPointCloud (Line 8)	Function Call
ROS Toolbox	getPointCloud (Line 9)	Function Call

getPouches.m

Path	$/utility/getPouches.m
Type	Script
Last modified	14-mag-2023 00:22:07
Size (bytes)	1876

Impacted Files

File	Impacted	Required	Dependency Type
main.m	Line 14	getPouches	Function Call

Required Files

File	Impacted	Required	Dependency Type
getPointCloud.m	Line 5	getPointCloud	Function Call
moveGripper.m	Line 35	moveGripper	Function Call
moveGripper.m	Line 42	moveGripper	Function Call
moveGripper.m	Line 48	moveGripper	Function Call
moveGripper.m	Line 51	moveGripper	Function Call
moveGripper.m	Line 55	moveGripper	Function Call
moveGripper.m	Line 57	moveGripper	Function Call
moveTo.m	Line 27	moveTo	Function Call
moveTo.m	Line 38	moveTo	Function Call
moveTo.m	Line 39	moveTo	Function Call

File	Impacted	Required	Dependency Type
moveTo.m	Line 3	moveTo	Function Call
moveTo.m	Line 40	moveTo	Function Call
moveTo.m	Line 44	moveTo	Function Call
moveTo.m	Line 45	moveTo	Function Call
moveTo.m	Line 46	moveTo	Function Call
moveTo.m	Line 47	moveTo	Function Call
moveTo.m	Line 50	moveTo	Function Call
moveTo.m	Line 53	moveTo	Function Call
moveTo.m	Line 54	moveTo	Function Call
moveTo.m	Line 62	moveTo	Function Call
pcrestrict.m	Line 9	pcrestrict	Function Call
pouchOrient.m	Line 32	pouchOrient	Function Call

Required Products

Product	Impacted	Dependency Type
Computer Vision Toolbox	Line 22	Function Call
Computer Vision Toolbox	Line 29	Function Call
MATLAB	getPouches	Toolbox
Statistics and Machine Learning Toolbox	Line 21	Function Call

getRedCloud.m

Path $/utility/getRedCloud.m
Type   Function
Last modified 14-mag-2023 12:58:28
Size (bytes) 1119

Impacted Files

File	Impacted	Required	Dependency Type
pickRed.m	Line 13	getRedCloud	Function Call

Required Files

File	Impacted	Required	Dependency Type
getPointCloud.m	getRedCloud (Line 20)	getPointCloud	Function Call
moveTo.m	getRedCloud (Line 18)	moveTo	Function Call
pcrestrict.m	getRedCloud (Line 36)	pcrestrict	Function Call

Required Products

Product	Impacted	Dependency Type
Computer Vision Toolbox	getRedCloud (Line 26)	Function Call
Computer Vision Toolbox	getRedCloud (Line 39)	Function Call
MATLAB	getRedCloud	Toolbox

getTransform

Problems

- Missing file

Impacted Files

File	Impacted	Required	Dependency Type
getPointCloud.m	getPointCloud (Line 11)	getTransform	Function Call
moveTo.m	moveTo (Line 43)	getTransform	Function Call
moveTo.m	moveTo (Line 67)	getTransform	Function Call
moveToInterp.m	moveToInterp (Line 20)	getTransform	Function Call
throwAway.m	throwAway (Line 18)	getTransform	Function Call
unproject.m	unproject (Line 28)	getTransform	Function Call

getYellowCloud.m

Path	$/utility/getYellowCloud.m
Type	Function
Last modified	14-mag-2023 12:58:43
Size (bytes)	1124

Impacted Files

File	Impacted	Required	Dependency Type
pickYellow.m	Line 12	getYellowCloud	Function Call

Required Files

File	Impacted	Required	Dependency Type
getPointCloud.m	getYellowCloud (Line 19)	getPointCloud	Function Call
moveTo.m	getYellowCloud (Line 17)	moveTo	Function Call
moveTo.m	getYellowCloud (Line 36)	moveTo	Function Call
pcrestrict.m	getYellowCloud (Line 34)	pcrestrict	Function Call

Required Products

Product	Impacted	Dependency Type
Computer Vision Toolbox	getYellowCloud (Line 25)	Function Call
Computer Vision Toolbox	getYellowCloud (Line 39)	Function Call
MATLAB	getYellowCloud	Toolbox

initialization.m

Path	$/utility/initialization.m
Type	Script
Last modified	14-mag-2023 00:55:20
Size (bytes)	1019

Impacted Files

File	Impacted	Required	Dependency Type
main.m	Line 8	initialization	Function Call

Required Files

File	Impacted	Required	Dependency Type
bottle.ply	Line 15	bottle	Function Argument
can.ply	Line 14	can	Function Argument
detector.mat	Line 34	detector	Function Argument

Required Products

Product	Impacted	Dependency Type
Computer Vision Toolbox	Line 14	Function Call
Computer Vision Toolbox	Line 15	Function Call
MATLAB	initialization	Toolbox
ROS Toolbox	Line 32	Function Call

main.m

Path	$/main.m
Type	Script
Last modified	14-mag-2023 13:53:31
Size (bytes)	498

Required Files

File	Impacted	Required	Dependency Type
getPouches.m	Line 14	getPouches	Function Call
initialization.m	Line 8	initialization	Function Call
pickBox.m	Line 18	pickBox	Function Call
pickRed.m	Line 16	pickRed	Function Call
pickStatic.m	Line 12	pickStatic	Function Call
pickYellow.m	Line 10	pickYellow	Function Call
startROS.m	Line 7	startROS	Function Call

Required Products

Product	Impacted	Dependency Type
MATLAB	main	Toolbox

modelfit.m

Path $/utility/modelfit.m
Type   Function
Last modified   13-mag-2023 12:52:45
Size (bytes)   1134

Impacted Files

File	Impacted	Required	Dependency Type
classifyDepth.m	classifyDepth (Line 18)	modelfit	Function Call
classifyDepth.m	classifyDepth (Line 19)	modelfit	Function Call
classifyDepth.m	classifyDepth (Line 20)	modelfit	Function Call

Required Products

Product	Impacted	Dependency Type
Computer Vision Toolbox	modelfit (Line 18)	Function Call
Computer Vision Toolbox	modelfit (Line 20)	Function Call
Computer Vision Toolbox	modelfit (Line 21)	Function Call
Computer Vision Toolbox	modelfit (Line 24)	Function Call
Computer Vision Toolbox	modelfit (Line 25)	Function Call
MATLAB	modelfit	Toolbox

moveGripper.m

Path $/utility/moveGripper.m
Type   Function
Last modified   13-mag-2023 12:52:45
Size (bytes)   1201

Impacted Files

File	Impacted	Required	Dependency Type
getPouches.m	Line 35	moveGripper	Function Call
getPouches.m	Line 42	moveGripper	Function Call
getPouches.m	Line 48	moveGripper	Function Call
getPouches.m	Line 51	moveGripper	Function Call
getPouches.m	Line 55	moveGripper	Function Call
getPouches.m	Line 57	moveGripper	Function Call
pickObject.m	pickObject (Line 42)	moveGripper	Function Call
pickObject.m	pickObject (Line 50)	moveGripper	Function Call
throwAway.m	throwAway (Line 33)	moveGripper	Function Call
throwAway.m	throwAway (Line 34)	moveGripper	Function Call

Required Files

File	Impacted	Required	Dependency Type
sendGoal	moveGripper (Line 35)	sendGoal	Function Call

Required Products

Product	Impacted	Dependency Type
MATLAB	moveGripper	Toolbox
ROS Toolbox	moveGripper (Line 13)	Function Call
ROS Toolbox	moveGripper (Line 14)	Function Call

moveTo.m

Path $/utility/moveTo.m
Type   Function
Last modified 13-mag-2023 12:52:45
Size (bytes)   4033

Impacted Files

File	Impacted	Required	Dependency Type
getBoxCloud.m	getBoxCloud (Line 15)	moveTo	Function Call
getDataset.m	Line 24	moveTo	Function Call
getPouches.m	Line 27	moveTo	Function Call
getPouches.m	Line 38	moveTo	Function Call
getPouches.m	Line 39	moveTo	Function Call
getPouches.m	Line 3	moveTo	Function Call
getPouches.m	Line 40	moveTo	Function Call
getPouches.m	Line 44	moveTo	Function Call
getPouches.m	Line 45	moveTo	Function Call
getPouches.m	Line 46	moveTo	Function Call
getPouches.m	Line 47	moveTo	Function Call
getPouches.m	Line 50	moveTo	Function Call
getPouches.m	Line 53	moveTo	Function Call
getPouches.m	Line 54	moveTo	Function Call
getPouches.m	Line 62	moveTo	Function Call
getRedCloud.m	getRedCloud (Line 18)	moveTo	Function Call
getYellowCloud.m	getYellowCloud (Line 17)	moveTo	Function Call
getYellowCloud.m	getYellowCloud (Line 36)	moveTo	Function Call
moveToInterp.m	moveToInterp (Line 3 2)	moveTo	Function Call
moveToInterp.m	moveToInterp (Line 3 4)	moveTo	Function Call
pickBox.m	Line 13	moveTo	Function Call
pickBox.m	Line 48	moveTo	Function Call
pickObject.m	pickObject (Line 41)	moveTo	Function Call
pickObject.m	pickObject (Line 45)	moveTo	Function Call
pickObject.m	pickObject (Line 47)	moveTo	Function Call
pickObject.m	pickObject (Line 48)	moveTo	Function Call
pickObject.m	pickObject (Line 49)	moveTo	Function Call

File	Impacted	Required	Dependency Type
pickRed.m	Line 35	moveTo	Function Call
pickRed.m	Line 6	moveTo	Function Call
pickRed.m	Line 74	moveTo	Function Call
pickStatic.m	Line 37	moveTo	Function Call
pickStatic.m	Line 40	moveTo	Function Call
pickStatic.m	Line 43	moveTo	Function Call
pickStatic.m	Line 46	moveTo	Function Call
pickStatic.m	Line 49	moveTo	Function Call
pickStatic.m	Line 51	moveTo	Function Call
pickStatic.m	Line 52	moveTo	Function Call
pickStatic.m	Line 55	moveTo	Function Call
pickStatic.m	Line 57	moveTo	Function Call
pickStatic.m	Line 60	moveTo	Function Call
pickYellow.m	Line 33	moveTo	Function Call
pickYellow.m	Line 5	moveTo	Function Call
pickYellow.m	Line 61	moveTo	Function Call
throwAway.m	throwAway (Line 22)	moveTo	Function Call
throwAway.m	throwAway (Line 26)	moveTo	Function Call
throwAway.m	throwAway (Line 28)	moveTo	Function Call
throwAway.m	throwAway (Line 29)	moveTo	Function Call

Required Files

File	Impacted	Required	Dependency Type
getTransform	moveTo (Line 43)	getTransform	Function Call
getTransform	moveTo (Line 67)	getTransform	Function Call

Required Products

Product	Impacted	Dependency Type
Aerospace Toolbox	moveTo (Line 34)	Function Call
MATLAB	moveTo	Toolbox
ROS Toolbox	moveTo (Line 23)	Function Call
ROS Toolbox	moveTo (Line 41)	Function Call
ROS Toolbox	moveTo (Line 55)	Function Call

moveToInterp.m

Path $/utility/moveToInterp.m
Type   Function
Last modified 13-mag-2023 12:52:45
Size (bytes) 1214

Required Files

File	Impacted	Required	Dependency Type
getTransform	moveToInterp (Line 20)	getTransform	Function Call
moveTo.m	moveToInterp (Line 32)	moveTo	Function Call
moveTo.m	moveToInterp (Line 34)	moveTo	Function Call

Required Products

Product	Impacted	Dependency Type
MATLAB	moveToInterp	Toolbox
ROS Toolbox	moveToInterp (Line 18)	Function Call

nextname.m

Path $/YOLO4/nextname.m
Type   Function
Last modified 04-mag-2023 23:35:19
Size (bytes) 4726

Impacted Files

File	Impacted	Required	Dependency Type
takePicture.m	takePicture (Line 22)	nextname	Function Call

Required Products

Product	Impacted	Dependency Type
MATLAB	nextname	Toolbox

pcrestrict.m

Path	$/utility/pcrestrict.m
Type	Function
Last modified	13-mag-2023 12:52:45
Size (bytes)	611

Impacted Files

File	Impacted	Required	Dependency Type
findBestOrientation.m	findBestOrientation (Line 55)	pcrestrict	Function Call
getBoxCloud.m	getBoxCloud (Line 30)	pcrestrict	Function Call
getPouches.m	Line 9	pcrestrict	Function Call
getRedCloud.m	getRedCloud (Line 36)	pcrestrict	Function Call
getYellowCloud.m	getYellowCloud (Line 34)	pcrestrict	Function Call

Required Products

Product	Impacted	Dependency Type
MATLAB	pcrestrict	Toolbox

pickBox.m

Path	$/utility/pickBox.m
Type	Script
Last modified	13-mag-2023 22:07:04
Size (bytes)	3020

Impacted Files

File	Impacted	Required	Dependency Type
main.m	Line 18	pickBox	Function Call

Required Files

File	Impacted	Required	Dependency Type
classifyDepth.m	Line 55	classifyDepth	Function Call
filterBox.m	Line 23	filterBox	Function Call
findBestOrientation.m	Line 69	findBestOrientation	Function Call
findClosestPC.m	Line 53	findClosestPC	Function Call
findObjects.m	Line 14	findObjects	Function Call
getBoxCloud.m	Line 22	getBoxCloud	Function Call
moveTo.m	Line 13	moveTo	Function Call
moveTo.m	Line 48	moveTo	Function Call
pickObject.m	Line 70	pickObject	Function Call
throwAway.m	Line 71	throwAway	Function Call

Required Products

Product	Impacted	Dependency Type
Computer Vision Toolbox	Line 25	Function Call
Computer Vision Toolbox	Line 44	Function Call
Computer Vision Toolbox	Line 62	Function Call
Computer Vision Toolbox	Line 64	Function Call
MATLAB	pickBox	Toolbox

pickObject.m

Path	$/utility/pickObject.m
Type	Function
Last modified	14-mag-2023 13:21:39
Size (bytes)	1580

Impacted Files

File	Impacted	Required	Dependency Type
pickBox.m	Line 70	pickObject	Function Call
pickRed.m	Line 67	pickObject	Function Call
pickStatic.m	Line 35	pickObject	Function Call

File	Impacted	Required	Dependency Type
pickStatic.m	Line 38	pickObject	Function Call
pickStatic.m	Line 41	pickObject	Function Call
pickStatic.m	Line 44	pickObject	Function Call
pickStatic.m	Line 47	pickObject	Function Call
pickStatic.m	Line 53	pickObject	Function Call
pickStatic.m	Line 58	pickObject	Function Call
pickYellow.m	Line 55	pickObject	Function Call

Required Files

File	Impacted	Required	Dependency Type
moveGripper.m	pickObject (Line 42)	moveGripper	Function Call
moveGripper.m	pickObject (Line 50)	moveGripper	Function Call
moveTo.m	pickObject (Line 41)	moveTo	Function Call
moveTo.m	pickObject (Line 45)	moveTo	Function Call
moveTo.m	pickObject (Line 47)	moveTo	Function Call
moveTo.m	pickObject (Line 48)	moveTo	Function Call
moveTo.m	pickObject (Line 49)	moveTo	Function Call

Required Products

Product	Impacted	Dependency Type
MATLAB	pickObject	Toolbox

pickRed.m

Path	$/utility/pickRed.m
Type	Script
Last modified	13-mag-2023 18:53:49
Size (bytes)	2274

Impacted Files

File	Impacted	Required	Dependency Type
main.m	Line 16	pickRed	Function Call

Required Files

File	Impacted	Required	Dependency Type
classifyDepth.m	Line 42	classifyDepth	Function Call
findBestOrientation.m	Line 66	findBestOrientation	Function Call
findClosestPC.m	Line 40	findClosestPC	Function Call
findObjects.m	Line 7	findObjects	Function Call
getRedCloud.m	Line 13	getRedCloud	Function Call
moveTo.m	Line 35	moveTo	Function Call
moveTo.m	Line 6	moveTo	Function Call
moveTo.m	Line 74	moveTo	Function Call
pickObject.m	Line 67	pickObject	Function Call
throwAway.m	Line 68	throwAway	Function Call

Required Products

Product	Impacted	Dependency Type
Computer Vision Toolbox	Line 15	Function Call
Computer Vision Toolbox	Line 30	Function Call
Computer Vision Toolbox	Line 47	Function Call
Computer Vision Toolbox	Line 50	Function Call
MATLAB	pickRed	Toolbox

pickStatic.m

Path	$/utility/pickStatic.m
Type	Script
Last modified	13-mag-2023 02:19:30
Size (bytes)	1822

Impacted Files

File	Impacted	Required	Dependency Type
main.m	Line 12	pickStatic	Function Call

Required Files

File	Impacted	Required	Dependency Type
moveTo.m	Line 37	moveTo	Function Call
moveTo.m	Line 40	moveTo	Function Call
moveTo.m	Line 43	moveTo	Function Call
moveTo.m	Line 46	moveTo	Function Call
moveTo.m	Line 49	moveTo	Function Call
moveTo.m	Line 51	moveTo	Function Call
moveTo.m	Line 52	moveTo	Function Call
moveTo.m	Line 55	moveTo	Function Call
moveTo.m	Line 57	moveTo	Function Call
moveTo.m	Line 60	moveTo	Function Call
pickObject.m	Line 35	pickObject	Function Call
pickObject.m	Line 38	pickObject	Function Call
pickObject.m	Line 41	pickObject	Function Call
pickObject.m	Line 44	pickObject	Function Call
pickObject.m	Line 47	pickObject	Function Call
pickObject.m	Line 53	pickObject	Function Call
pickObject.m	Line 58	pickObject	Function Call
throwAway.m	Line 36	throwAway	Function Call
throwAway.m	Line 39	throwAway	Function Call
throwAway.m	Line 42	throwAway	Function Call
throwAway.m	Line 45	throwAway	Function Call
throwAway.m	Line 48	throwAway	Function Call
throwAway.m	Line 54	throwAway	Function Call
throwAway.m	Line 59	throwAway	Function Call

Required Products

Product	Impacted	Dependency Type
MATLAB	pickStatic	Toolbox

pickYellow.m

Path $/utility/pickYellow.m

Type	Script
Last modified	13-mag-2023 23:26:07
Size (bytes)	1854

Impacted Files

File	Impacted	Required	Dependency Type
main.m	Line 10	pickYellow	Function Call

Required Files

File	Impacted	Required	Dependency Type
classifyDepth.m	Line 40	classifyDepth	Function Call
findBestOrientation.m	Line 54	findBestOrientation	Function Call
findClosestPC.m	Line 38	findClosestPC	Function Call
findObjects.m	Line 6	findObjects	Function Call
getYellowCloud.m	Line 12	getYellowCloud	Function Call
moveTo.m	Line 33	moveTo	Function Call
moveTo.m	Line 5	moveTo	Function Call
moveTo.m	Line 61	moveTo	Function Call
pickObject.m	Line 55	pickObject	Function Call
throwAway.m	Line 56	throwAway	Function Call

Required Products

Product	Impacted	Dependency Type
Computer Vision Toolbox	Line 14	Function Call
Computer Vision Toolbox	Line 29	Function Call
Computer Vision Toolbox	Line 47	Function Call
Computer Vision Toolbox	Line 49	Function Call
MATLAB	pickYellow	Toolbox

pouchOrient.m

| **Path** | $/utility/pouchOrient.m |

Type	Function
Last modified	13-mag-2023 18:48:58
Size (bytes)	926

Impacted Files

File	Impacted	Required	Dependency Type
getPouches.m	Line 32	pouchOrient	Function Call

Required Products

Product	Impacted	Dependency Type
MATLAB	pouchOrient	Toolbox

readXYZ

Problems

- Missing file

Impacted Files

File	Impacted	Required	Dependency Type
getPointCloud.m	getPointCloud (Line 14)	readXYZ	Function Call

receive

Problems

- Missing file

Impacted Files

File	Impacted	Required	Dependency Type
getCameraMatrix.m	getCameraMatrix (Line 11)	receive	Function Call

File	Impacted	Required	Dependency Type
getPointCloud.m	getPointCloud (Line 13)	receive	Function Call
takePicture.m	takePicture (Line 18)	receive	Function Call

rename_merge.m

Path	$/YOLO4/rename_merge.m
Type	Script
Last modified	14-mag-2023 13:21:39
Size (bytes)	785

Required Files

File	Impacted	Required	Dependency Type
dataset.mat	Line 2	dataset	Function Argument
dataset1.mat	Line 10	dataset1	Function Argument
dataset2.mat	Line 11	dataset2	Function Argument

Required Products

Product	Impacted	Dependency Type
Computer Vision Toolbox	Line 12	Function Call
Computer Vision Toolbox	Line 15	Function Call
MATLAB	rename_merge	Toolbox

rosIP

Problems

- Missing file

Impacted Files

File	Impacted	Required	Dependency Type
startROS.m	Line 2	rosIP	Function Call

sendGoal

Problems

- Missing file

Impacted Files

File	Impacted	Required	Dependency Type
moveGripper.m	moveGripper (Line 35)	sendGoal	Function Call

setInitialConfig_franka.m

Path	$/utility/setInitialConfig_franka.m
Type	Function
Last modified	02-mag-2023 13:01:22
Size (bytes)	964

Impacted Files

File	Impacted	Required	Dependency Type
startROS.m	Line 5	setInitialConfig_franka	Function Call

Required Products

Product	Impacted	Dependency Type
Aerospace Toolbox	setInitialConfig_franka (Line 25)	Function Call
MATLAB	setInitialConfig_franka	Toolbox
ROS Toolbox	setInitialConfig_franka (Line 10)	Function Call
ROS Toolbox	setInitialConfig_franka (Line 11)	Function Call

startROS.m

Path	$/utility/startROS.m
Type	Script
Last modified	13-mag-2023 12:52:45
Size (bytes)	382

Impacted Files

File	Impacted	Required	Dependency Type
main.m	Line 7	startROS	Function Call

Required Files

File	Impacted	Required	Dependency Type
rosIP	Line 2	rosIP	Function Call
setInitialConfig_franka.m	Line 5	setInitialConfig_franka	Function Call

Required Products

Product	Impacted	Dependency Type
MATLAB	startROS	Toolbox
ROS Toolbox	Line 1	Function Call
ROS Toolbox	Line 2	Function Call
ROS Toolbox	Line 7	Function Call

takePicture.m

Path $/YOLO4/takePicture.m
Type   Function
Last modified 13-mag-2023 12:52:45
Size (bytes)   828

Impacted Files

File	Impacted	Required	Dependency Type
findObjects.m	findObjects (Line 15)	takePicture	Function Call
findObjects.m	findObjects (Line 16)	takePicture	Function Call
getDataset.m	Line 25	takePicture	Function Call

File	Impacted	Required	Dependency Type
nextname.m	takePicture (Line 22)	nextname	Function Call
receive	takePicture (Line 18)	receive	Function Call

Required Products

Product	Impacted	Dependency Type
MATLAB	takePicture	Toolbox
ROS Toolbox	takePicture (Line 14)	Function Call
ROS Toolbox	takePicture (Line 16)	Function Call
ROS Toolbox	takePicture (Line 20)	Function Call

throwAway.m

Path	$/utility/throwAway.m
Type	Function
Last modified	14-mag-2023 01:07:39
Size (bytes)	898

Impacted Files

File	Impacted	Required	Dependency Type
pickBox.m	Line 71	throwAway	Function Call
pickRed.m	Line 68	throwAway	Function Call
pickStatic.m	Line 36	throwAway	Function Call
pickStatic.m	Line 39	throwAway	Function Call
pickStatic.m	Line 42	throwAway	Function Call
pickStatic.m	Line 45	throwAway	Function Call
pickStatic.m	Line 48	throwAway	Function Call
pickStatic.m	Line 54	throwAway	Function Call
pickStatic.m	Line 59	throwAway	Function Call
pickYellow.m	Line 56	throwAway	Function Call

Required Files

File	Impacted	Required	Dependency Type
[getTransform](#)	throwAway (Line 18)	getTransform	Function Call
[moveGripper.m](#)	throwAway (Line 33)	moveGripper	Function Call
[moveGripper.m](#)	throwAway (Line 34)	moveGripper	Function Call
[moveTo.m](#)	throwAway (Line 22)	moveTo	Function Call
[moveTo.m](#)	throwAway (Line 26)	moveTo	Function Call
[moveTo.m](#)	throwAway (Line 28)	moveTo	Function Call
[moveTo.m](#)	throwAway (Line 29)	moveTo	Function Call

Required Products

Product	Impacted	Dependency Type
MATLAB	throwAway	Toolbox
ROS Toolbox	throwAway (Line 17)	Function Call

trainYOLO.m

Path	$/YOLO4/trainYOLO.m
Type	Script
Last modified	02-mag-2023 13:01:22
Size (bytes)	3640

Required Files

File	Impacted	Required	Dependency Type
[dataset.mat](#)	Line 1	dataset	Function Argument
[detector.mat](#)	Line 110	detector	Function Argument

Required Products

Product	Impacted	Dependency Type
Computer Vision Toolbox	Line 106	Function Call

Product	Impacted	Dependency Type
Computer Vision Toolbox	Line 21	Function Call
Computer Vision Toolbox	Line 24	Function Call
Computer Vision Toolbox	Line 2	Function Call
Computer Vision Toolbox	Line 52	Function Call
Computer Vision Toolbox	Line 64	Function Call
Deep Learning Toolbox	Line 67	Function Call
MATLAB	trainYOLO	Toolbox

unproject.m

Path	$/utility/unproject.m
Type	Function
Last modified	13-mag-2023 12:52:45
Size (bytes)	1488

Impacted Files

File	Impacted	Required	Dependency Type
findObjects.m	findObjects (Line 42)	unproject	Function Call

Required Files

File	Impacted	Required	Dependency Type
getCameraMatrix.m	unproject (Line 16)	getCameraMatrix	Function Call
getTransform	unproject (Line 28)	getTransform	Function Call

Required Products

Product	Impacted	Dependency Type
Image Processing Toolbox	unproject (Line 37)	Function Call
MATLAB	unproject	Toolbox
ROS Toolbox	unproject (Line 26)	Function Call
ROS Toolbox	unproject (Line 36)	Function Call