ScorBot Toolbox Function List

# Included Toolboxes

* ScorBot Toolbox
* Transformation Toolbox
* Plotting Toolbox

# Toolbox Functions

## ScorBot Toolbox

* ScorBSEPR2Pose.m
* ScorBSEPR2XYZPR.m
* ScorBSEPRLimits.m
* ScorBSEPRRandom.m
* ScorCreateVector.m
* ScorDHtable.m
* ScorDispError.m
* ScorFkin.m
* ScorGetBSEPR.m
* ScorGetControl.m
* ScorGetGripper.m
* ScorGetGripperOffset.m
* ScorGetMoveTime.m
* ScorGetPendantMode.m
* ScorGetPose.m
* ScorGetSpeed.m
* ScorGetXYZPR.m
* ScorGoHome.m
* ScorGotoPoint.m
* ScorHome.m
* ScorIkin.m
* ScorInit.m
* ScorInitReceiver.m
* ScorInitSender.m
* ScorIsMoving.m
* ScorIsReady.m
* ScorParseErrorCode.m
* ScorPose2BSEPR.m
* ScorPose2XYZPR.m
* ScorReceiveBSEPRG.m
* ScorSafeShutdown.m
* ScorSendBSEPRG.m
* ScorSetBSEPR.m
* ScorSetControl.m
* ScorSetDeltaBSEPR.m
* ScorSetDeltaPose.m
* ScorSetDeltaXYZPR.m
* ScorSetDigitalOutput.m
* ScorSetGripper.m
* ScorSetMoveTime.m
* ScorSetPendantMode.m
* ScorSetPoint.m
* ScorSetPose.m
* ScorSetSpeed.m
* ScorSetUndo.m
* ScorSetXYZPR.m
* ScorShutdownCallback.m
* ScorSimGetBSEPR.m
* ScorSimGetGripper.m
* ScorSimGetGripperOffset.m
* ScorSimGetPose.m
* ScorSimGetXYZPR.m
* ScorSimGoHome.m
* ScorSimInit.m
* ScorSimPatch.m
* ScorSimQuitTeachCallback.m
* ScorSimSetBSEPR.m
* ScorSimSetDeltaBSEPR.m
* ScorSimSetDeltaPose.m
* ScorSimSetDeltaXYZPR.m
* ScorSimSetGripper.m
* ScorSimSetPose.m
* ScorSimSetXYZPR.m
* ScorSimTeachBSEPR.m
* ScorSimTeachCallback.m
* ScorSimTeachXYZPR.m
* ScorSound.m
* ScorTeleop.m
* ScorUpdate.m
* ScorVer.m
* ScorWaitForMove.m
* ScorXYZPR2BSEPR.m
* ScorXYZPR2Pose.m
* ScorXYZPRJacobian.m
* isScorSim.m

### Miscellaneous Included Functions

* circfit.m
* deg2rad.m
* extractCrashLogs.m
* fitPlane.m
* getIPv4.m
* rad2deg.m

## Transformation Toolbox

* AxisAngletoSO.m
* DH.m
* DHtableToFkin.m
* Rx.m
* Ry.m
* Rz.m
* SE2toSE3.m
* SOtoAxisAngle.m
* Shx.m
* Shxy.m
* Shxz.m
* Shy.m
* Shyz.m
* Sx.m
* Sy.m
* Sz.m
* TransformationToolboxUpdate.m
* TransformationToolboxVer.m
* Tx.m
* Ty.m
* Tz.m
* getTriad.m
* hideTriad.m
* hideTriadLabels.m
* invSE.m
* invSO.m
* isSE.m
* isSO.m
* isSkewSymmetric.m
* isTriad.m
* isZero.m
* logSO.m
* nCross.m
* plotDHtable.m
* pointsToSE3.m
* recoverDH.m
* setTriad.m
* showTriad.m
* showTriadLabels.m
* smoothSE3.m
* soBasis.m
* triad.m
* vee.m
* wedge.m
* zeroFPError.m

## Plotting Toolbox

* PlottingToolboxUpdate.m
* PlottingToolboxVer.m
* addSingleLight.m
* distortImagePoints.m
* getAbsoluteTransform.m
* getParentAxes.m
* getParentFigure.m
* getParentType.m
* plotImageDistortion.m
* simulateImage.m