tableTransformations Class Reference

Public Member Functions

public void	**WorkpiecePosTransform** (std::vector< double > TablePos, std::vector< double > WorkpiecePos, double A1d, double A2d, std::vector< double > &xyzwp, rstd::vector< double > &abcwp)
public void	**SelectedEdgeTransform** (std::vector< double > WorkpiecePos, std::vector< double > SelectedEdgePos, double angle1, double angle2, std::vector< double > &xyzse, rstd::vector< double > &abcse)

Public Attributes

double	**A1**
double	**A2**
std::vector< double >	**wpxyz**
std::vector< double >	**wpabc**

Detailed Description

Author: Poulastya Mukherjee Description: Class Implementation for Workpiece Transformation and Selected Edge Transformation Inputs: Current values of the 2 joint angles of the 2Dof Table and Workpiece position Output: Transformed Position of Workpiece

Member Function Documentation

◆ SelectedEdgeTransform()

public void
tableTransformations::SelectedEdgeTransform (std::vector< double > WorkpiecePos,
std::vector< double > SelectedEdgePos,
double angle1,
double angle2,
std::vector< double > & xyzse,
rstd::vector< double > & abcse
)   `inline`

Author: Poulastya Mukherjee Description: Function for Selected Edge Transformation wrt Workpiece movement Inputs: Position vectors of workpiece and Selected Edge, joint angles of Table Output: Position and Orientation of Selected edge

◆ WorkpiecePosTransform()

public void
tableTransformations::WorkpiecePosTransform (std::vector< double > TablePos,
std::vector< double > WorkpiecePos,
double A1d,
double A2d,
std::vector< double > & xyzwp,
rstd::vector< double > & abcwp
)   `inline`

Author: Poulastya Mukherjee Description: Function for Workpiece Transformation wrt Table movement Inputs: Position vectors of table and workpiece, joint angles of Table Output: Position and Orientation of Work piece

The documentation for this class was generated from the following file:

- ClassTable.cpp

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