

# set\_model\_pose\_algorithm

## Overview

This command sets the method such as 6DOF or Inverse Kinematics for computing model pose. This command can be found under **Model Building** in the pipeline workshop. This command should be set before computing your desired model building.

## Pipeline Command

The command below is as seen on the Visual3D application.

```
Set_Model_Pose_Algorithm
! /CALIBRATION_FILE=
! /ALGORITHM=6DOF
! /OPTIMIZER=
! /FIT_CALIBRATION_FILE=TRUE
! /START_WITH_SIMULATED_ANNEALING=FALSE
! /F_TOLERANCE=1e-12
! /X_TOLERANCE=1e-12
! /G_TOLERANCE=1e-12
! /IK_USE_ALL_FRAMES=true
! /IK_EVENT_SEQUENCE=
;
```

## Command Parameters

The following table shows the command parameters and descriptions:

|                                |                                                                           |
|--------------------------------|---------------------------------------------------------------------------|
| CALIBRATION_FILE               | The name of the hybrid model. Use the full pathname.                      |
| ALGORITHM                      | Pose Algorithm to set 6DOF is default or can change to Inverse Kinematics |
| OPTIMIZER                      | Set optimizer to one of QUASI_NEWTON, LEVENBERG_MARQUARDT or LBFGSB       |
| FIT_CALIBRATION_FILE           | ...                                                                       |
| START_WITH_SIMULATED_ANNEALING | ...                                                                       |
| _TOLERANCE                     | []                                                                        |
| IK_USE_ALL_FRAMES              | []                                                                        |
| IK_EVENT_SEQUENCE              | []                                                                        |

## Dialog

The command can be edited in a text editor or in a dialog form. To edit in the dialog pop up form either click on the **Edit** button in the pipeline workshop or double-click on the pipeline command. The dialog is shown below.

# Examples

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## Simple example

- Image or dialog box

- Brief description of components (Combo boxes, acronyms, etc.)

Showing functionality of the command, using a diagram possibly to show output.

## Complex example

Combine with other commands and show step-by-step process for frequent use case

## Notes

- Important considerations (anything included in the page before the reformat)

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