

Get Vicon Model Metric

Extracting metric values from Vicon's .MP file into Visual3D Subject/Data Metrics

Pipeline Command

```
Get_Vicon_Model_Metric
! /CALIBRATION_FILE=
! /MP_FILE_NAME=
! /METRIC_NAMES=
! /METRIC_VALUES=
;
```

/Calibration_File refers to the Link Model in which the metrics will be stored

If Calibration_File is empty or =*, the current link model is used.

/MP_File_Name refers to the Vicon MP file

If MP_File_Name is empty, the user is prompted for the filename. MP_File_Name refers to the full path name of the file.

/Metric_Names and /Metric_Values are optional

If Metric_Names is empty or =*, all Metric_Names in the .mp file are selected

If Metric_Values is populated, this is the default value of Metric_Names and is used if Metric_Names does not exist in the .MP file.

Example

Given an MP file containing the following information:

```
$RKnee_Width = 150.0
$RFoot_Width = 100.0
$LKnee_Width = 150.0
$LFoot_Width = 100.0
```

and the command

```
Get_Vicon_Model_Metric
/CALIBRATION_FILE=*
/MP_FILE_NAME=
/METRIC_NAMES=
/METRIC_VALUES=
```

```
/NAME_PREFIX=  
;
```

- The current active model will be used.
- The user will be prompted for the MP file name.
- All 4 metric values in the MP file will be added to the model subject metrics
- No prefix will be added to the names.

```
Get_Vicon_Model_Metric  
/CALIBRATION_FILE=  
/MP_FILE_NAME=  
/METRIC_NAMES=RHip_Radius  
/DEFAULT_METRIC_VALUES=0.5*DISTANCE(RIGHT_HIP,LEFT_HIP)  
/NAME_PREFIX=  
;
```

- RHip_Radius is not part of the MP file
- A default metric value has been provided
- A model metric RHip_Radius will be created (or modified)
- The value of the metric will be the expression $0.5 \times \text{DISTANCE}(\text{RIGHT_HIP}, \text{LEFT_HIP})$

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