

## Export\_Data\_To\_Matfile

This command is similar to Export\_Data\_To\_Matlab except that the resulting data is placed in an Matlab .mat file rather than being pushed into the Matlab Workspace

Export Data to Matfile

Output File

Export Signals

Matlab Variable Name

Signal/Parameter

| Matlab Variable Name | Signal Type | Signal Name | Signal Folder | Parameter Group | Parameter |
|----------------------|-------------|-------------|---------------|-----------------|-----------|
| right_grf            | LINK_MOD... | Right_GRF   | ORIGINAL      |                 |           |

☐ Use NAN to indicate no data

It is very important to note that Visual3D expresses an unknown value (e.g. a TARGET with residual of -1) using the value DATA\_NOT\_FOUND (-99999). Matlab doesn't recognize this Visual3D expression, so you may want to replace DATA\_NOT\_FOUND with NaN (e.g. /USE\_NAN\_FOR\_DATANOTFOUND=TRUE). If you don't and you list the contents of the variable in Matlab, your data may be scaled to 1.e5, which means that most of your values may end up looking as if they were zero. If you enter DATA\_NOT\_FOUND, you can have your m-file search for this value, so that you can continue to perform matrix math in Matlab (which won't process NaN in an array). Text version below:

```
Export_Data_To_Matfile
! /SIGNAL_TYPES=
! /SIGNAL_FOLDER=
! /SIGNAL_NAMES=
! /FILE_NAME=
/MATLAB_NAMES=
! /PARAMETER_NAMES=
! /PARAMETER_GROUPS=
! /OUTPUT_PARAMETER_NAMES=
! /USE_NAN_FOR_DATANOTFOUND=FALSE
;
```

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