

# DSix MATLAB/Simulink

# About DSix MATLAB/Simulink

## Description

This section introduces you to interfaces and interoperability between DSix and MATLAB/Simulink

MATLAB Path must include:

C:\Program Files (x86)\DSix20\Matlab

## Infofile and MATLAB

Bihrlle has create a structure format in MATLAB to be a container for data tables.

CZbeta =

```
TableDataFileName: 'CZbeta'  
Comments: 'CZbeta'  
NDims: 2  
IndpVars: [2x1 struct]  
Data: [83x7 double]  
Multiplier: 'N/A'  
Flag: 'N/A'
```

## Infofile to MATLAB

Open AeroPort

Load \*.d6e found in the <project>\_DATA  
directory

Export as BAR MAT Structure

## MATLAB to Infofile

Use Bihrlle function `CreateBARTable ( )` to create structures

Save structures to `.mat` file

Use `AeroPort` to import data

Export to `Dsix Multi TXT` format

Import or Append `.TXT` in `InfoFile`



Flight Simulation Environment