Guide to Third Party Libraries

Third Party Library List

The SonnetLab toolbox for Matlab (from here on called SonnetLab) is delivered with a folder of extra Matlab scripts. These scripts are not necessary for the use of SonnetLab but many users will find them useful.

TouchstoneRead
```
  TouchstoneRead reads Touchstone formatted files.
  EXAMPLE :
  [freq, data, Zo] = TouchstoneRead(DataFileName);

  freq      -  1xF arrays
  data      -  PxPxF matrix, P- number of ports, F- number of freq points
  Zo        -  impedance used in normalization of data
  DataCell  -  an cell array containing the PxP data sets as vectors


  This function was originally written by Tudor Dima, last rev. 26.10.2008, tudima at
  zahoo dot com (change the z into y...)

  Latest Revision made by Serhend Arvas and Bashir Souid at Sonnet Software Inc.
```

```
SPH2CARTFIXED Transform spherical to Cartesian coordinates.
   [X,Y,Z] = SPH2CARTFIXED(TH,PHI,R) transforms corresponding elements of
   data stored in spherical coordinates (azimuth PHI, elevation TH [measured
   from the Z axis], radius R) to Cartesian coordinates X,Y,Z.  The arrays TH, PHI, and
   R must be the same size (or any of them can be scalar).  TH and
   PHI must be in radians.

   PHI is the counterclockwise angle in the xy plane measured from the
   positive x axis.  TH is the angle measured from the Z axis.

   Class support for inputs TH,PHI,R:
      float: double, single

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```

Contact

Your feedback is important to us. If you have any questions or comments about SonnetLab, please contact Sonnet Support by email at support@sonnetsoftware.com.

Please make sure you are using the most up to date version of SonnetLab before submitting a bug report. When submitting a bug report please include the Sonnet project file that generated the error (Sonnet project files have the extension .son) and the output from the command "SonnetMatlabVersion". The more information that that we receive the faster it will be for us to resolve the issue and contact you back.