GUM2DFT

version 0.95

GUM2DFT is an open-source Python software to carry out uncertainty propagation for DFT, inverse DFT and for deconvolution in the frequency domain. All methods are part of the module GUM2DFT.py, whereas all other files present examples for the application of the module.

Installation

From a command line interface (e.g. Windows cmd) run: python setup.py install By default, this installs GUM2DFT in your Python site-packages path. However, you can specify any other path; see python setup.py –help for more instructions. After installation you can import methods of the module in Python by:

```
from GUM2DFT import GUM_DFT, GUM_iDFT
```

Changes

- version 0.95:
  - included method for multiplication in the frequency domain `GUM_multiply`
  - changed license to LGPLv3 to match that of **PyDynamic**
- version 0.93: correction in `GUM_iDFT` for the case of diagonal input covariance matrix

License

When publishing results produced by this software, cite S. Eichstädt, V. Wilkens 'A software tool for uncertainty evaluation of transient signals in the frequency domain', submitted to Meas. Sci. Technol.

DISCLAIMER

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