

The source code has been implemented in MATLAB R2017A and it depends on the following two toolboxes:

1. The LTFAT (version 2.1.2 or above) freely available from

<http://ltfat.github.io/>.

2. The NSGToolbox (version 0.1.0 or above) freely available from

<http://nsg.sourceforge.net/>.

To install these toolboxes, unpack the packages and add the corresponding folders to your Matlab path. Also, run the following commands:

1. `ltfatstart`
2. `nsgt_startup`

Once the toolboxes are installed, you may run the scripts from the `pv_compare` folder, which is available on the web page. This folder contains two sub-folders:

1. The `pv_algorithms` folder, which contains the actual phase vocoder algorithms.
2. The `test_signals` folder, which contains the test signals and two scripts for loading either synthetic or real world signals.

To reproduce the results from the article, you don't need to care about the sub-folders. Simply run one of the following scripts:

1. `compare_real`: This script compares the nonstationary phase vocoder with the classical phase vocoder¹ by stretching a real world signal with respect to a user defined scaling parameter.
2. `compare_synth`: This script compares the nonstationary phase vocoder with the classical phase vocoder by stretching a large number of random synthetic signal with respect to random scaling factors between 0.5 and 3.75.

For any questions regarding the source code, please write to

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¹As implemented in <http://www.ee.columbia.edu/ln/rosa/matlab/pvoc/>