The function gtf executes the GTF_{F0} method proposed in [1] to improve the intelligibility of noisy speech signals.

This function requires the emd.m file provided by G. Rilling and P. Flandrin at http://perso.ens-lyon.fr/patrick.flandrin/emd.html.

Usage of gtf:

```
procSignal = gtf(signalFile, 'voicedInfo.txt', bwFactor, gainValues);
```

where

signalFile: input .wav filename
voiced_regions: TXT file with regions of voiced speech (refer to the example file)
bwFactor: Value that defines the filters bandwidth (default: 0.25)
gainValues: Gain factors of the filtered samples with the following configuration:
gain = 1.0 - for no amplification
default values (for the first 4 filters):

```
gainValues = [5.0, 5.0, 4.0, 2.5];
```

Reference:

[1] A. Queiroz e R. Coelho, "F0-based Gammatone Filtering for Intelligibility Gain of Acoustic Noisy Signals", IEEE Signal Processing Letters, v. 28, pp. 1225-1229, May 2021.

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