Filterbank coefficients generation

The following procedure should be followed to obtain the coefficients used in the FIR filter of the Polyphase Filterbank, based on a 12288 taps FIR filter with a Blackman-Harris window.

- 1. Go to directory .../modules/fn_pfs/src/Matlab/golden_reference
- 2. Start matlab.
- 3. Start Filter Design and Analysis tool within matlab by typing 'fdatool'.
- 4. In fdatool the filter characteristics can be changed.
- 5. Write out the coefficients file in ASCII format.
- 6. Edit the coefficients file by removing head and tail.
- 7. Run cf2mif_2k_6taps_split.m to obtain six .mif files, one for each tap.
- 8. Results are: memory_2k_cf_tap[1..6]_blackman_harris.mif
- Specify these six files in ram2048x18_cf_tap[1..6].vhd, which are in .../modules/fn_pfs_dr/src/ip