

**DATA**

microphone signals  
microphone positions,  
grid position over time,  
grid rotation angles over time  
wind speed (x,y,z)  
speed of sound (scalar)

DeconvolutionMethods.MultiFreqCleanT

**Filtering signals on the selected frequency band  
(octave or third-octave) in the source-related time scale**

(Dedopplerisation => Filtering => Dopplerisation)

DeconvolutionMethods.CleanT

*For each angular selection of the trajectory*

InverseMethods.Beamforming\_t\_traj

**Time domain moving source beamforming  
over the grid**

linear interpolation to speed-up computation

↓  
Main source selection  
(broadband or tonal)

InverseMethods.Beamforming\_t\_traj

**Beamforming over selected source**

quadratic interpolation for best quality

↓  
Filtering  
extracted signal  
(if detected as tonal)

↘  
Source data  
storage

Propagation.MovingSrcSimu\_t

**Propagation of source signal to microphone**

quadratic interpolation for best quality

↓  
Propagated signals

New microphonic signals

iteration until residual energy reaches E\_criterion



Microphonic (filtered) signals