

Process Description:

To analyze flow, displacements are averaged over a given number of frames. The flow vectors can either be interpolated on the position of the speckles of the central frame for each average. Alternatively, speed maps are constructed on the masked cell with a tunable grid width.

Parameter Descriptions:

Input Channels:

This allows you to select which channels you want to perform flow analysis on. This should be applied to all channels that are going to be used for calculating the noise parameters. Select the channels by clicking on them in the "Available Input Channels" box and then clicking "Select>" to move them to the "Selected Channels" box. You can unselect a channel by clicking the "Delete" button

Number of frames for time averaging:

This value corresponds to the number of frames used when averaging the flows. It must be an odd number of frames.

Correlation length:

Grid size filter width:

This value determines the size of the grid used for constructing the speed maps.