

### Displacement field correction (Figure 6D)

This step allows the user to correct for outliers of the computed displacement field. Outliers can severely affect the quality of the calculated force field .

1. Setup the displacement field correction by clicking on its **Setting** button.
2. Select **Filter vector field outliers** and choose a threshold for detecting and filtering outliers (2-5 correspond to a typical range). *A typical threshold range for detecting outliers is 2-5 where 2 is the most drastic outlier detection.*
3. We do not recommend **Do rotational correction**.
4. Click on **Apply**.

*The output of displacement field correction a MAT file in a folder called “correctedDisplacementField”. Clicking on **Result** will yield a pop-up window in which corrected displacement field is overlaid to the raw images as a vector field. Check that outliers have been removed.*