

8-5-4. Correction of drift curve (Drift removal)

When you click [Filters (temporal)]-[Drift removal], the following screen is displayed and rise/fall (drift) of waveform baseline due to fading of fluorescent dye and change in brightness of light source is corrected.

When you click on an image, original waveform at that point is displayed in gray and waveform after drift removal processing is displayed in green.

Enter integers for [Fitting polynomial degree] and [Downsampling]. Keep in mind that the larger the [Fitting polynomial degree] value, the smaller the signal change, so choose a value that is neither too small nor too large.

Enter optimum values to remove unnatural undulations of waveform and click [APPLY] to start drift removal process. The process may take some time. To cancel drift removal process, click [CANCEL].

The screenshot displays the 'Drift removal' control panel. At the top left is a brain image with electrode locations. To its right are two input fields: 'Fitting polynomial degree' with the value '3' and 'Downsampling' with the value '10'. Below these are two text boxes: 'Enter polynomial fitting order' pointing to the first field, and 'Downsampling (Enter an integer of 1 or more to shorten fitting time)' pointing to the second. Below the input fields is a 'Preview' section containing a graph of a waveform. The y-axis ranges from 2500 to 2800, and the x-axis is 'Time (s)' from 0 to 9. The graph shows a series of peaks that drift downwards over time. At the bottom right are two buttons: 'APPLY' and 'CANCEL'. Below these are two more text boxes: 'Execution' pointing to the 'APPLY' button and 'Cancel' pointing to the 'CANCEL' button.