

# How to use the software: a brief tutorial

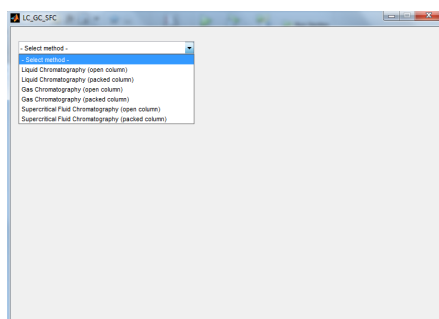
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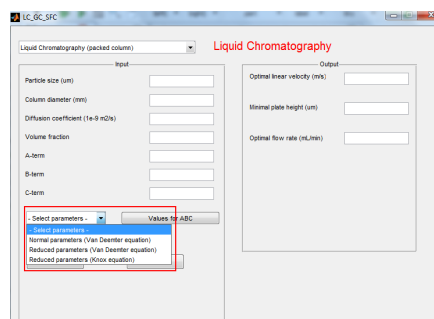
The type of chromatography can be chosen from the pop-up menu (see Figure 1a). After choosing a chromatographic method, all necessary parameters can be entered. The parameters that have to be filled out can be found next to the input field. Further, one can choose for calculating normal or reduced output parameter from an additional pop-up menu (see Figure 1b). As a help, values for A, B and C as well as values for diffusion coefficients of mobile phases can be shown by clicking the respective push buttons (see Figure 1c).

After all input parameters are set, calculation can be executed by pressing the 'Calculate' button. Subsequently, output parameters (dependent on the set input parameters) will be generated. This will show, the optimal linear velocity, the minimal plate height and a plot of the (reduced) plate height against the (reduced) linear velocity (see Figure 1d). In case of LC, the optimal flow rate will also be shown as output parameter.

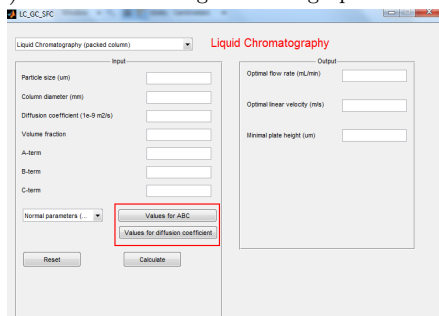
The application can reset by pressing the 'Reset' button. This will set the application back to its start



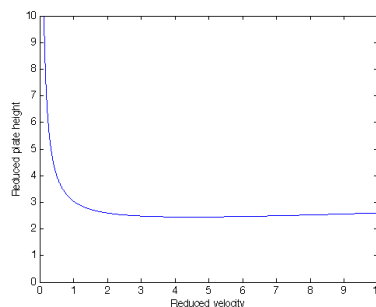
(a) Menu for choosing chromatographic method



(b) Menu for calculation options



(c) Push buttons for values of A, B, C and diffusion coefficients



(d) Example of an output plot

Figure 1: Software performance overview