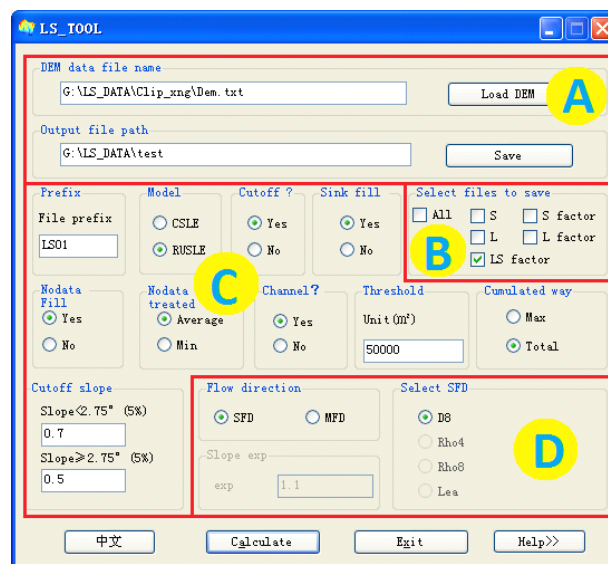


Name: LS-TOOL
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 E-mail: qkyang@nwu.edu.cn, zhm@nwsuaf.edu.cn
 Year first available: 2010
 Hardware required: IBM compatible PC
 Software required: MS Windows version XP or higher
 Program language: C# .NET 2005
 Program size: dotnetfx 28.2MB, Setup.exe 2.19MB
 Availability: Freely available for non-commercial use.

The graphical user interface (GUI) of LS-TOOL is shown in following figure. The four areas most relevant for calculation of the LS factor are denoted in red from A to D and their functionality can be explained as follows:

- (1) Area A: Selection of the DEM file and output file path,
- (2) Area B: Selection of which file(s) to save, S: slope steepness L: slope length, S factor, L factor or ALL,
- (3) Area C: Calculation options. Including file prefix, models, use of the cutoff or not, whether to fill nodata or sink cells, how to fill nodata cells (average value or minimum value of surrounding eight cells), consider channel or not, threshold of accumulated area, set cutoff slope value,
- (4) Area D: Algorithm options, single-flow direction (sfd) or multiple-flow direction (mfd).



The graphical user interface (GUI) of LS_Tool. The areas denoted by the red letters A, B, C and D are referred to in the text where details are provided.