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Abstract:

FreeFEM supports the Encapsulated Postscript (EPS) file format as default in order to save a 2D computation result into a file, while it does not support Portable Document Format (PDF) which is one of the popular file formats. We implement PDF output extension to the built-in plot command, and a dynamic loading module. In the latter case, the proposed module generate a PDF file which contains numerical results, mesh and boundary information in a single file with multiple pages. It is only for serial 2D computation at present, and suitable for learning FreeFEM and educational purposes.