Petrov-Galerkin-Rvachev Method.
C Implementation.

1 Intro

2 Method description

2.1 RFM and structures of solution

2.2 Dirichlet problem

2.3 Neumann problem

2.4 Mixed boundary problem

3 Code description

3.1 Structure of code

Current implementation of PGRM consists of two main parts, which will be described further: Core and Task parts.

3.1.1 Core part

Includes the most part of code resporsible for solving Poissons equation. Includes further files: [file list with description of its content]

3.1.2 Task part

Consists of "tasks.c" and "tasks.h" only. "tasks.h" is header file with a description of the most important "public" parts, that can be used for description of a particular boundary problem for Poisson's equation