

## INTEGRAL PARABOLIC SPLINE WITH JUMP FOR SOLVING SOME DISCONTINUOUS MATHEMATICAL PROBLEMS IN LAYERED MEDIA<sup>1</sup>

SOLVITA KOSTJUKOVA<sup>1</sup> and ANDRIS BUIKIS<sup>1,2</sup>

<sup>1</sup>*Faculty of Physics and Mathematics, University of Latvia*

Zellu iela 8, Rīga LV-1002, Latvia

<sup>2</sup>*Institute of Mathematics and Computer Science of University of Latvia*

Raiņa bulvāris 29, Rīga LV-1459, Latvia

E-mail: solvita.kostjukova@gmail.com, buikis@lanet.lv

The integral parabolic spline with jump which interpolates the integral averaged values of piecewise-continuous and piecewise-smooth function what has discontinuities and/or their first derivatives have discontinuities was represented in [1]. The Various mathematical models for transport processes in layered media with interlayer was offered in the articles [2][3]. Also the discontinuous problems with jump across some boundaries in modified hydro-thermo-diffusive theory of normal shocks was described in article [4].

In this article, using integral parabolic spline with jump theory, we are representing some mathematical models for discontinuous problems with jump in layered media.

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<sup>1</sup>This work was partially supported by ESF research projects 2009/0138/1DP/1.1.2.1.2/09/IPIA/VIAA/004, 2009/0223/1DP/1.1.1.2.0/09/APIA/VIAA/008 and by the Latvian Council of Science research project 09.1572