

**Johann Radon Institute for
Computational and Applied Mathematics
der
Österreichischen Akademie der Wissenschaften**

Group Seminar

Group: Computational Methods for Direct Field Problems

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Multilevel spline approximations on non-uniform grid

The approach with biorthogonal system of functionals to construct multilevel spline approximations on uniform grid was developed by Yu.K. Demjanovich (SPbSU) in 2003. I present results of my thesis on construction of these approximations in case when only one knot is inserted into a non-uniform grid. Considered cases include grid on a line and on a smooth manifold.

Thursday, May 28, 2009, 13:45
Johannes Kepler Universität, HF 136