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DK Seminar

January 20, 2015, 14:15 - 15:45
Vienna University of Technology,
Freihaus, green area, 4th floor, 101C

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Convolution quadrature for the wave equation with a nonlinear boundary condition

Convolution quadrature and boundary integral equations are numerical methods which are traditionally limited to linear problems. In this talk, we present how to apply these methods to the linear wave equation equipped with certain nonlinear boundary conditions. We discuss the challenges of analyzing the method and present convergence results.