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DK Seminar

Jan 18, 2017, 14:15 - 15:00
Vienna University of Technology,
Freihaus, green area, 4th floor

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A classification of traveling waves for a shallow water equation

In this talk we consider (weak) traveling wave solutions of a highly non-linear shallow water equation. Our aim is to classify these traveling waves regarding their shape. We prove a result, which allows us to identify each traveling wave with a set of solutions of a related dynamical system. This opens the way to a full classification.