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A Talk at the 2nd ISNMP Conference

Bad Ems, 28 June to 4 July 2026

Regular Session:

Speaker: Maria Clara Nucci (University of Bologna, Italy)

Title: *On Symmetries of Differential Equations*

Abstract: This lecture is divided in two parts: one about partial differential equations and the other about ordinary differential equations. Concerning partial differential equations, classical and non classical symmetries will be briefly recalled and then heir-equations and their properties will be presented and exemplified. Concerning symmetries of ordinary differential equations, their link to conservation laws, hidden linearity and integrability will be illustrated with some examples.