Daniel Grumiller Institute for Theoretical Physics

GRAVITY AND HOLOGRAPHY IN LOWER DIMENSIONS I (136.073)

Winter semester 18

Location: <u>Seminar room in FH, 3Rd floor, yellow tower</u>

Time: 9:00-11:00 each Tuesday (starting October 2)

The main purpose of this lecture is to provide an introduction to the holographic principle using gravity models in two and three dimensions.

Contents:

gravity with boundaries asymptotic Killing vectors Cartan formulation gravity in two and three dimensions canonical boundary charges asymptotic symmetry algebras central extensions AdS_3/CFT_2 holographic renormalization correlation functions holographic entanglement entropy



... and possibly selected research topics

webpage: http://quark.itp.tuwien.ac.at/~grumil/teaching.shtml

"O day and night, but this is wondrows strange"