

Institute for Mathematics and its Applications
2012 Seminar Series
University of Wollongong

Title: Map projections, an elementary introduction

Speaker: Daniel Daners (University of Sydney)

Time and Date: 3:30pm, Wednesday 16 May 2012

Location: Room 24.103

Abstract: Starting from the familiar Mercator projection and the stereographic projection we construct a whole family of conformal maps of the Earth containing the two as limit cases. We then briefly discuss other map projections and their properties, including the exotic area preserving hourglass map.

This is material originally developed for the first year special studies program at the University of Sydney and suitable for a general audience familiar with elementary calculus and trigonometry.