

Virtual training course: Advanced numerical methods for earth system modelling



Contribution ID: 4

Type: **not specified**

Mesh adaptivity using continuous mappings

Tuesday, 10 March 2020 10:30 (1h 15m)

The goal of this session is to provide an overview of the use of generalised curvilinear coordinates in atmospheric numerical models.

By the end of the session you should be able to:

- describe some important aspects of the formulation and implementation of the governing equations in generalised coordinates
- describe various vertical coordinates employed in atmospheric models
- indicate the use of generalised coordinates to employ moving mesh adaptivity

Presenter: KUEHNLEIN, Christian (ECMWF)