T2: Atmospheric Models: Parametrizations and Scales

Master of Science Meteorology, 2. Semester

The lecture "Parameterizations and scales of atmospheric models" deals with the basic equations of air movement and atmospheric transport, scales of atmospheric processes with a focus on the mesoscale, scale analysis, approximations and parameterizations, parameterization of subscale and physical processes such as turbulence, convection, cloud processes and trace substance processes.

In the practical course/exercise "Parameterizations and scales of atmospheric models", the effects of different scales and parameterizations on model results are presented and discussed using concrete examples. The exercises will be carried out in several blocks beginning mid-May, the time schedule will be determined at the beginning of the lecture.

Lecture: Fridays, 9:00-10:30 am
Exercise (as block): Time to be determined

Start of lectures: 16.4.2021

The lecture will be online via BigBlueButton
https://bbb.sc.uni-leipzig.de/b/teg-o9g-mus-w4m

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