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HEDENMIDDAG

ALGEMEEN FYSISCH COLLOQUIUM

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Professor Hans von Storch (Institute of Hydrophysics, GKSS Research
Centre, Geesthacht, Germany)

"On the role of statistics in dynamical modelling"

The role of statistical analysis in the process of establishing and utilizing ocean and other environmental models is discussed. A general state space model approach is adopted. In ``quasi-realistic models'', statistical thinking is encoded in the parameterizations, and is required for extracting experimental evidence and for validation. Data assimilation techniques are used to systematically combine observational evidence and quasi-realistic models. While quasi-realistic models serve as complex substitute reality, is dynamical knowledge represented through simplified models. These "cognitive" idealized models have to be fitted to observational data when adapted to real situations.

Donderdag 17 februari 2000

Aanvang: 16.00 uur

Plaats: Collegezaal 208, Minnaert-gebouw, De Uithof

Faculteit Natuur- en Sterrenkunde, Universiteit Utrecht

Alle belangstellenden van harte welkom

Ook voor studenten

Na afloop borrel