**Atmospheric
Chemistry
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Discussions**

Interactive comment on "Technical note: Recursive rediscretisation of geo-scientific data in the Modular Earth Submodel System (MESSy)" *by* P. Jöckel

Anonymous Referee #2

Received and published: 1 August 2006

This paper presents a rigorous mathematical description of a publicly available regridding program. The NCREGRID program is a valuable tool for use alone or incorporated in a global climate or transport model.

I found Section 3 rather difficult to follow. What makes the algorithm recursive? A distinction seems to be made for orthogonal or not grids, but it is not clear what changes between the 2 cases.

I agree with a previous reviewer that it would be helpful to identify how this differs from other regridding programs (such as mass-conserving regridding of emissions).

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Interactive comment on Atmos. Chem. Phys. Discuss., 6, 4673, 2006.

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