

# Smolarkiwicz Antidiffusion Advective Scheme

G.A. Burger   J.M Wolterink

October 26, 2011

# Outline

1. Advection schemes in climate modelling
2. Diffusion  $\rightarrow$  antidiffusion
3. Smolarkiwicz antidiffusion scheme
  - ▶ Implementation
  - ▶ Results
4. Conclusion

# Advection schemes in climate modelling

- ▶ Example
- ▶ Example
- ▶ Example
- ▶ Example

Diffusion is your enemy!

# Smolarkiwicz Advection Scheme