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Motivation

In order to reveal the turbulence structure of molecular clouds, systemat
servational signatures of turbulence and simulations of the physical proc
and evolution of cloud structures are required.

The comparison has to rely on some statistical measures for the scaling of
structure that can be determined both in observational data and turbulen
test several structure analysis tools providing means for such a comparis
sitivity to changes in the turbulence model and to observational distortio
to disclose reliably the molecular cloud turbulence.