



Variograms as a verification tool

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Roughly speaking, a variogram is a quantity that assesses the amount of correlation/continuity as a function of spatial scale. In image analysis, it is considered as a measure of the texture of an image. Here, we propose to employ it as a measure of verification of spatial fields. The method is illustrated on the reflectivity forecasts from two high resolution versions of the Weather Research and Forecast model (WRF) and the NOAA Mesoscale Model (NMM).