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Title: Determining ground layer turbulence statistics using a SLODAR-type method

Abstract:
SLODAR-type methods use spatial correlations from observations of two guide stars to estimate the vertical turbulence profile. These methods rely on the Kolmogorov/von Kármán turbulence model, but the turbulence statistics can deviate from these models, especially close to the ground. We present a possible method for identifying non-Kolmogorov turbulence models close to the ground from AO telemetry using a SLODAR-type method.