
A Hybrid Geometric Optical and Radiative Transfer Approach for Modeling Pyranometer Measurements Under a Jack Pine Forest

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Abstract

Pyranometer measurement under old jack pine forest in the BOREAS experiment is analyzed through our new hybrid model. This application is an example to illustrate why we need hybrid model and how it works. The work presented here is a part of efforts for a GIS-based distributed hydrology-vegetation interaction model of drainage basin.
