

## NUMERICAL SIMULATION OF GROUND SURFACE TEMPERATURE

Piyaratne Dewundage  
Dept. of Meteorology, Colombo 07.

A model based on force-restore method was developed to simulate ground surface temperature. Boundary layer processes were parameterized adopting a method used by Dewundage, P. (1990), since they were found to be very sensitive to the model.

The model was tested with climatological data for Colombo and the diurnal pattern and the predicted values were found to agree reasonably well. Results show that the diurnal pattern follows exactly the expected pattern. The maximum and minimum diurnal range occur during the months April and December respectively.

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