

## **The Use of the Relative and Absolute Models to the Calibration of Landsat TM Data. Application to the Semi-Arid Land of Laghouat (Algeria).**

Abdelrim BENSaid, Organisation: National Centre of Spatial Techniques.

The precise interpretation and exploitation of remote sensing data is undertaken using radiometric and atmospheric corrections applied to satellite images in order to compensate the effects caused by the observation angle, irradiance and atmospheric conditions. However, a correction model is used to this aim. The mathematical equations integrated in this model allow the improvement of the spatial data quality. In this paper, two radiometric correction models were used:

- relative model [4];
- absolute model [3].

Therefore, a software package using programme C , was performed. It is now available and used to undertake. It was tested on TM LANDSAT 5 which represent a semi-arid zone of Laghouat (Algeria).