
Analysis method of spectra that are registered by FTIR spectrometer in common with radiation source

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Methods of IR spectra processing and analysis are one of the most important parts of automatic remote sensing system development. Normalization and analysis methods of spectra that are obtained in trace FTIR measurement with usage of external IR source are described. IR spectra in range 7–14 μm that are measured in path longer than 100 m are considered. Method of spectra processing that is suggested allow us to perform spectral analysis by single spectrum without background spectrum measurement.

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