

## RESEARCH OF REMOTE SENSING INFORMATIVITY OF SUSPENDED PARTICLES IN SEA WATERS BY MEANS OF USING SPECTRAL RADIOMETERS WITH MEDIUM DENSITY RESOLUTION

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The article is devoted to informativity analysis of remote sensing of suspended particles in sea waters by spectral radiometers with medium density spatial resolution. It denotes that calibration values of medium density resolution spectral radiometers are significantly different, which implies the necessity of further development of general methodology for the comparison of their informational characteristics. The article formulates and solves the task of comparative research of the informativity of medium density resolution spectral radiometers in using them for an estimation of suspended particles concentration in the shore waters of seas and oceans. In accordance with the suggested solution the optimal calibration function is the function where an integrated value of informativity parameters' difference reaches up the minimum. There obtained the invariant condition, characterizing the calibration function of the compared spectral radiometers when the informativity of measurers is the least different.

**Key words:** informativity, suspended particles, optimization, calibration, sea waters, spectral radiometer.

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