POLARIZATION PROPERTIES OF ANISOTROPIC MEDIA WITH SINGULAR EIGENPOLARIZATION: GENERALIZED MATRIX EQUIVALANCE THEOREME APPROACH

Wednesday, 25 October 2017 15:00 (15 minutes)

The polarimetric inverse spectral problem for class of media with singular eigenpolarizations (linear and circular) in terms of Generalized equivalence theorem approach was solved. The cases of phase and amplitude eigenvalues were considered. Two different bases of Generalized equivalence theorem were observed. The types of anisotropy and the values of anisotropy parameters that provide the specified cases of singular eigenpolarizations were determined.

Primary author: Mr SITNICHENKO, A.O. (Taras Shevchenko National University of Kyiv)

Co-authors: KOLOMIETS, Ivan; Dr OBEREMOK, Ye. A. (Taras Shevchenko National University of Kyiv); Prof. SAVENKOV, S. N. (Taras Shevchenko National University of Kyiv)

Presenter: Mr SITNICHENKO, A.O. (Taras Shevchenko National University of Kyiv)

Session Classification: Polarimetry: Theory and Applications

Track Classification: Polarimetry: Theory and Applications