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PEM028-P02

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## Ionospheric conductivity modelling using IRI as a result of the interaction between neutral and charged particles

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In the ionosphere, Ohm's law can be applied for some frequency range as a result of the interaction between neutral and charged particles, although the conductivity is anisotropic because of the geomagnetic main field. In this study, the limitation of the concept of the conductivity in the ionosphere and the applicability are first shown. Next, problems in the construction of the conductivity model using IRI model are given.

Keywords: ionosphere, electric conductivity, IRI model, anisotropy