Frequency and Spatial Features of Waves Scattering on Fractals
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Now there are two general approaches of scattering on the statistically rough surface: method of small perturbation and Kirchhoff approach. These methods relate to the two extreme cases of very small flat irregularities or smooth and large irregularities respectively. We use fractal model which has many advantages. Electrical field dependencies on fractal dimension $D$ are presented. Investigation of the coherence function with accounting of surfaces fractality has been started.

**Keywords:** Fractals, Radio waves scattering, Scattering indicatrixes, Coherence function.