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MODELING OF THE KOCH-TYPE WIRE DIPOLE

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Highlights

- Regression and correlation analysis of balanced wire dipole antennas is carried out.
- Dependences of electrodynamic parameters on the dipole half-length are obtained.
- Use of two-parameter regression models results in improvement of prediction of reflection coefficient and resistance.
- Regression model-based algorithms for synthesis of well matched Koch-type antennas are developed.

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