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Integral Equations Formulation to Linear Array Slots Antennas

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Abstract

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Abstract:

An integral equation (IE) formulation has been used to formulate the problem of linear array of slots antennas located on the bodies of revolution (BOR). Method of moment (MoM) is used as a numerical method to solve the (IE) and determined the unknown coefficients of current expansion function. A linear array of spacing 0.5λ between each element is study, the element considers as a rectangular slot on (BOR).

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