

# 모멘트법을 이용한 와이어 안테나 특성해석에 관한 연구

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## Study on Wire Antenna Characteristic Analysis Using Moment Method

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### ABSTRACT

In this thesis, At antenna or scattering problem, the most basic analysis is solving surface current density by outer source.

As this analysing problem is divide by two part.

-About interaction's mathematicalize of electromagnetic and structure.

-Solving of Integral Equations using by numerical analysis.

In this study, for solving the scattering and transmitting problems which is caused by electromagnetic wave which is scattered by wire antenna surface, use numerical analysis which is induced by integral equations.

Algorithm is "Moment of Method" and program software is matlab.

As In this Result, Scattered on wire antenna surface current and impedance by outer incident electronic field is solved by solving the unknown function's integral equation, and apply scattering trasmitting problems.

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