

機械・精密システム工学科 論文発表

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題名	Development of microwave diagnostic simulator
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概要	Two-dimensional simulator models are presented for microwave diagnostics. The models assume the Maxwell wave equation coupled with the equation of plasma current density in a cold magnetized plasma, which can describe propagation, reflection, and cross polarization scattering of the ordinary and extraordinary modes. The effects of waveguide for the microwave launcher and wall boundary of the vacuum vessel are included in the models.