

OBLIQUE ELECTROMAGNETIC WAVE  
REFLECTION FROM A SHARP PLASMA  
BOUNDARY UNDER THE ANOMALOUS  
SKIN EFFECT ON MIXED ELECTRON  
REFLECTION FROM THE BOUNDARY

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S u m m a r y

Under the anomalous skin effect, the oblique electromagnetic wave reflection from a sharp plasma boundary is considered by assuming a mixed (specular and diffuse) electron reflection from the boundary. The technique efficient in this case for solving the Riemann - Hilbert boundary problem is developed, and the explicit approximate equalities for the impedance and wave amplitudes are obtained.