INCONGRUITIES OF THE SCHELKUNOFF MODEL FOR SHIELDS

L.E. ACIU[1]   M. BADIC[2]

Abstract:*The theory of electromagnetic shielding is based on the waves equations describing the behavior of electromagnetic field in substance and also boundary phenomena by means of Fresnel's reflection and transmission coefficients. Many models have been issued but lately Schelkunoff model was accepted. The paper deals with the analysis of the incongruities included in this model, mainly limitations of theory. These things are important because many experimental methods for determining shielding effectiveness are based on this model.*

Key words: *Schelkunoff model, shielding effectiveness, incongruities.*