

Attenuation and Guidance of Modes on Hollow Dielectric Waveguides (Correspondence)

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The approximate theory of normal mode propagation on large circular hollow dielectric waveguides has been previously published by Marcatili and Schmelzer. This letter reports two results obtained from a computer analysis of the exact transcendental equation for the propagation constants of the normal modes. The geometry of the waveguide is shown in Fig. 1.

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