

FEATURE ARTICLES

5 *Thermal Performance of Stress Grading Systems for Converter-Fed Motors*

J. C. G. Wheeler, A. M. Gully, A. E. Baker, and F. A. Perrot

Many stress grading tapes exhibit poor stability of their surface resistivity and semi-conducting properties as the temperature is raised.

12 *High Frequency Properties of Shielded Power Cable. Part 3: Loss From Neutral Wire-Shield Interaction*

Chunchuan (Charles) Xu and Steven A. Boggs

High-frequency attenuation in typical distribution cables increases with reduction in ground shield thickness and reduction in the number of neutral wires.

17 *Collision Cross Sections In Gaseous Electronics. Part II. Inelastic Collisions*

Gorur Govinda Raju

Collision cross sections in gaseous electronics are explained with reference to inelastic collisions. Low energy excitation, electronic excitation, ionization, and attachment cross sections are considered.

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New DEIS President, W. McDermid

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