

Visualization Of Partial Discharge Burning Voltage Mechanism Oncontaminated Surfaces

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**Electrical Insulation and Dielectric Phenomena, 1997. IEEE 1997 Annual Report.,
conference;Publication Date: 19-22, Oct 1997;Vol: 1,On page(s): 358-361
vol.1;ISBN: 0-7803-3851-0**

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Summary

This paper presents a new visualization of the pre-flashover phase burning discharge and proposes a mathematical model which may describe the burning partial discharge mechanism phase. It also introduces the results of an experimental model simulation, carried at the KFUPM High Voltage Laboratory under AC voltages, to visualize the burning discharge voltage and its variation with different contaminated surfaces

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