



220 kV GIS SF6 CT气室闪络分析

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摘要: 通过常规与非常规化学、电气试验手段, 对GIS SF₆ CT气室中闪络故障前后固体粉末、气体成分及CT气室内的化工材料进行排查试验, 证明频繁发生闪络故障的内置式CT气室内存在丁腈橡胶板, 其腐蚀性硫与气室内触头等镀银件反应形成硫化银, 最终形成导电通道, 引起CT气室闪络击穿。

关键词: SF₆; 分析; 腐蚀; 标准

Analysis of 220 kV SF₆ Arc-Over Breakdown in CT Air Chamber

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Abstract: By chemical and electrical experiments both conventionally and non-conventionally, thorough inspections are carried out on the solid powder, gas components and chemical materials in the CT air chamber before and after flashover faults. It is testified that butyronitrile rubber plate exists in CT air chamber with frequent flashover faults, the caustic sulphur in the plate reacted with silver-gilt items and produced silver sulphide, which is the cause of flashover in CT chamber.

Key words: SF₆; analysis; causticity; standard

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