

局部放电实时监测中的应用

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摘要 针对传统Web模式的实时系统具有的用户体验不理想、数据延迟高和响应速度慢等缺点, 通过对Ajax技术和Web工作模式深入分析研究, 采用Web 2.0、Comet、Continuations相结合的方式, 结合电缆终端局部放电实时监测系统例证,

将三维谱图网格化并结合div技术模拟桌面应用程序局部刷新。该模式下系统具有无闪烁、实时性高的特点, 并且即使在连接大量客户端时, 服务器也只需消耗较少的CPU和内存资源。

关键词 [计算机应用](#) [Web模式](#) [Comet](#) [Ajax](#) [Continuations](#) [实时监测](#); [局部放电](#)

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Application of Web 2.0-Comet-Continuations model

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Abstract The real-time system based on the traditional Web mode is characterized by unsatisfactory user experience, high latency for the browser, low response rate and so on. Consequently, taking the monitoring of partial discharge on the cable terminals as an example, through the analysis of the Ajax technique and Web mode, with the combination of the Web 2.0, Comet and Continuations, a real time monitoring system was developed based on Web and discretization of the 3-D map coupled with div technique to simulate the local renovation of the application program on desk. Based on this mode the system is characterized by no flashing display, high quality real time response and need of the server for little resource of CPU and memory against huge quantity of client ends.

Key words [computer application](#) [Web mode](#) [Comet](#) [Ajax](#) [Continuations](#) [real time monitoring](#) [partial discharge](#)

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