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快堆材料试验回路的静力分析

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摘要 该回路有多个环形管系、布置紧凑、运行温度高。原设计未考虑支撑,因此“安全问题”比较突出。根据SDGJ6-78规定。利用PSDP程序,对此回路进行了一次、二次或一次加二次应力验算,改进了原设计,并对支撑作了合理布置。计算表明在给定条件下运行是安全的。

关键词 应力 支撑 安全 规范 程序

分类号

THE STATIC ANALYSIS OF FBR MATERIAL TEST LOOP

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Abstract The test loop contains many annular pipelines, compactly arranged with high working temperature. In the preliminary design, no supports are considered. According to the requirements of SDGJ6-78, by using the PSDP program, the primary, secondary and primary plus secondary stress are calculated. The preliminary design is improved and supporters are arranged reasonably. After improvement, the test loop can operate safety in given conditions.

Key words StressSupportSafetyCriteriaProgram.

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