

Stress Analysis of Inlet Cross-Flow Fitting Component for the Canadian SCWR Concept

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This is an abstract of the paper presenting a thermal-mechanical analysis based on ANSYS solutions, which was performed for two proposed designs of the component separating the cold inlet and heated outlet flows in the CSCWR concept: a single-wall component (monolithic wall) and a double-wall component incorporating a porous structure (composite wall).

Technical Track

Fusion and Advanced Reactors

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