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The Simulational Study on the KSTAR Operation Modes

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Abstract

Adaptability of the advanced tokamak operation modes in KSTAR tokamak is investigated by computing self-consistent MHD equilibria and current density profiles using ACCOME. It is shown that KSTAR heating and current drive system based on multiple technologies(neutral beam, ion cyclotron and lower hybrid system) are adequate to study the wide range of advanced tokamak physics.