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## Modeling of Ohmic Disruptive Discharge in J-TEXT Using the Tokamak Simulation Code

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A simulation of J-TEXT Ohmic disruptive discharge has been achieved by using of the Tokamak Simulation Code (TSC) model. The anomalous transport of disruption was adjusted according to heat transport across large magnetic island. The simulation result of the plasma current, electron temperature, loop voltage and the disruption are compared with experimental disruptive discharge data. According to simulation result the dynamic response of one test plasma-facing module were calculated, the numerical results show that the maximum stress of the test module is in safety range.

### Eligible for student paper award?

No

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