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Commentary

Visualization and Application of Chemical Reaction Networks in Low-Temperature Plasma

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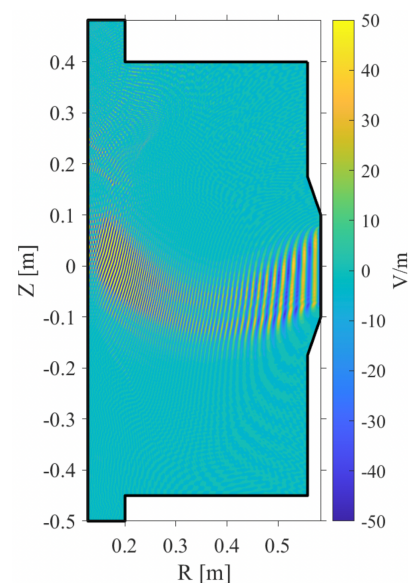
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Development of Tomography Analysis Method using Sparse Modeling

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Finite element full wave simulation of lower hybrid waves on the TST-2 spherical tokamak. The waves are excited at the outer mid-plane and damped at the high field side. Although the finite element method enables an integrated modeling of the core plasma and the edge region, it is difficult to introduce a kinetic effect due to its non-local property. In the simulation, an iterative scheme was utilized to introduce Landau damping.

(Fumiya ADACHI *et al.*, Plasma and Fusion Research, Vol. 19, 1403026 (2024) <http://www.jspf.or.jp/>)

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