

TR-SNAP Code

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1. Purpose / Application

Evaluation of transport coefficients based on power balance analysis.

2. Developer / Improver

R. Seki.

3. General Description (function, usage, etc.)

In the assumption of a steady-state plasma in which the heating power balances the energy loss, TR-SNAP evaluates the transport coefficient on the basis of power balance analysis of experimentally measured profile.

4. Requirement in Use

4.1. Platform(s)

linux os .

4.2. Required resources

A run time is several second.

4.3 Usability

In the task3d-a site where TR-SNAP input, e.g. equilibrium, heating power profile and bulk profile, is automatically calculated, you can automatically use TR-SNAP.

5. Type in Use

The user needs to contact the contact person (R.seki, seki.ryohsuke@lhd.nifs.ac.jp).

References

R. Seki *et al.*, Plasma and Fusion Res. **6** (2010) 02402081.