

Domain_Features

This data setup defines the domain size, the grid data, the domain decomposition features (MPI parallelisation characteristics : number of MPI processes bounded to subdomains and how they are distributed over the domain) and the number of threads also used to split the domain (OpenMP parallelisation).

Geometric_Layout

- Type : integer value
- This option selects the type of geometry configuration used :
 - 0 : Cartesian geometry
 - 1: Cylindrical geometry. The axis is oriented along the K-direction. The coordinate system is $r(i), \theta(j), z(k)$
 - 2: Cylindrical geometry. The axis is oriented along the I-direction. The coordinate system is $r(j), \theta(k), z(i)$
 - 3: Cylindrical geometry. The axis is oriented along the J-direction. The coordinate system is $r(k), \theta(i), z(j)$

From:

<https://sunfluidh.lisn.upsaclay.fr/> - Documentation du code de simulation numérique SUNFLUIDH

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https://sunfluidh.lisn.upsaclay.fr/doku.php?id=sunfluidh:domain_features_namelist&rev=1475943720

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