

Namelist "External_Force"

This data setup is used to define an external force that drives the flow.

Force_Option_I_Direction

- Type : Integer value
- This option selects the type of force on the I-component of the force vector.
 - 0 : the force component is zero
 - 1 : the force component is constant
 - 2 : the force component is time dependent and depends on the mass flowrate (special case used for the simulation of a channel flow with periodical boundary conditions).
 - 3 : the force component is time dependent and depends on both mass flowrate and wall friction (special case used for the simulation of a channel flow with periodical boundary conditions).

Force_Option_J_Direction

- Type : Integer value
- This option selects the type of force on the J-component of the force vector (see above).
- ===== Force_Option_K_Direction =====
- Type : Integer value
- This option selects the type of force on the J-component of the force vector (see above).

Force_Reference_Value_I_Direction

- Type : Real value
- Reference value of the force component along the I-direction.

Force_Reference_Value_J_Direction

- Type : Real value
- Reference value of the force component along the J-direction.

Force_Reference_Value_K_Direction

- Type : Real value
- Reference value of the force component along the K-direction.

Last
update: 2016/10/08 18:02 sunfluidh:external_force_namelist https://sunfluidh.lisn.upsaclay.fr/doku.php?id=sunfluidh:external_force_namelist&rev=1475942562

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

Permanent link:
https://sunfluidh.lisn.upsaclay.fr/doku.php?id=sunfluidh:external_force_namelist&rev=1475942562

Last update: **2016/10/08 18:02**

