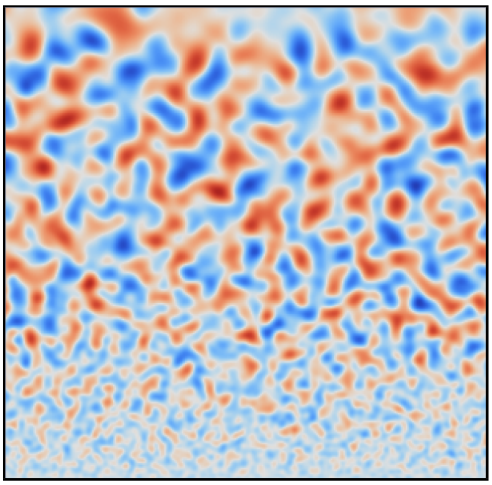
The InflowGenerator has the following fields:

`type`	`decayingTurbulenceInflowGenerator`
`direction`	It is $+1$ or -1 depending on wheather the flow goes in positive or negative x-direction, respectively.
`LField`	The integral length field.
`refField`	The external velocity field.
`RField`	The Reynolds stress tensor field.
`value`	The value of the field; at the initial time it should be equal to the `refField` field.



An example of the field obtained with the InflowGenerator.

An example of the inflow generator dictionary (from the file *case*`/0/U`):

```
...
boundaryField
{
    ...
    inlet
    {
        type            decayingTurbulenceInflowGenerator;
        direction       1;
        LField          nonuniform List<scalar> ...
        refField        nonuniform List<vector> ...
        RField          nonuniform List<symmTensor> ...
        value           nonuniform List<vector> ...
    }
    ...
}
...
```

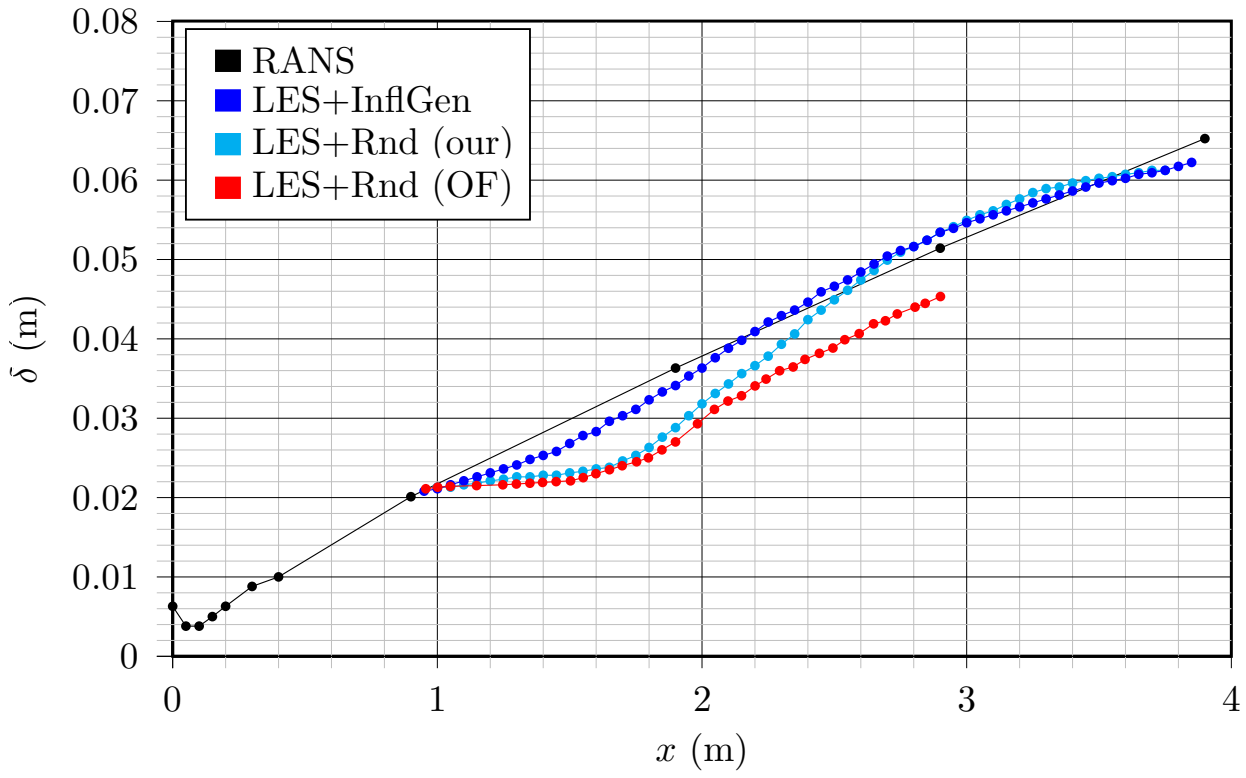


Figure 1: Comparison of the InflowGenerator and random generators.