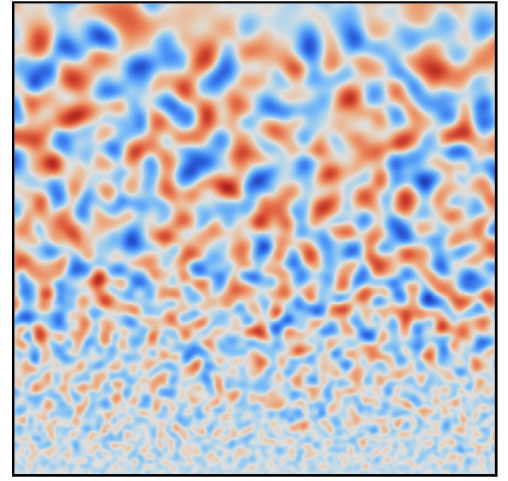


The InflowGenerator has the following fields:

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 <code>refField</code> field.

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> ...
    }
    ...
}
...
```



An example of the field obtained with the InflowGenerator.

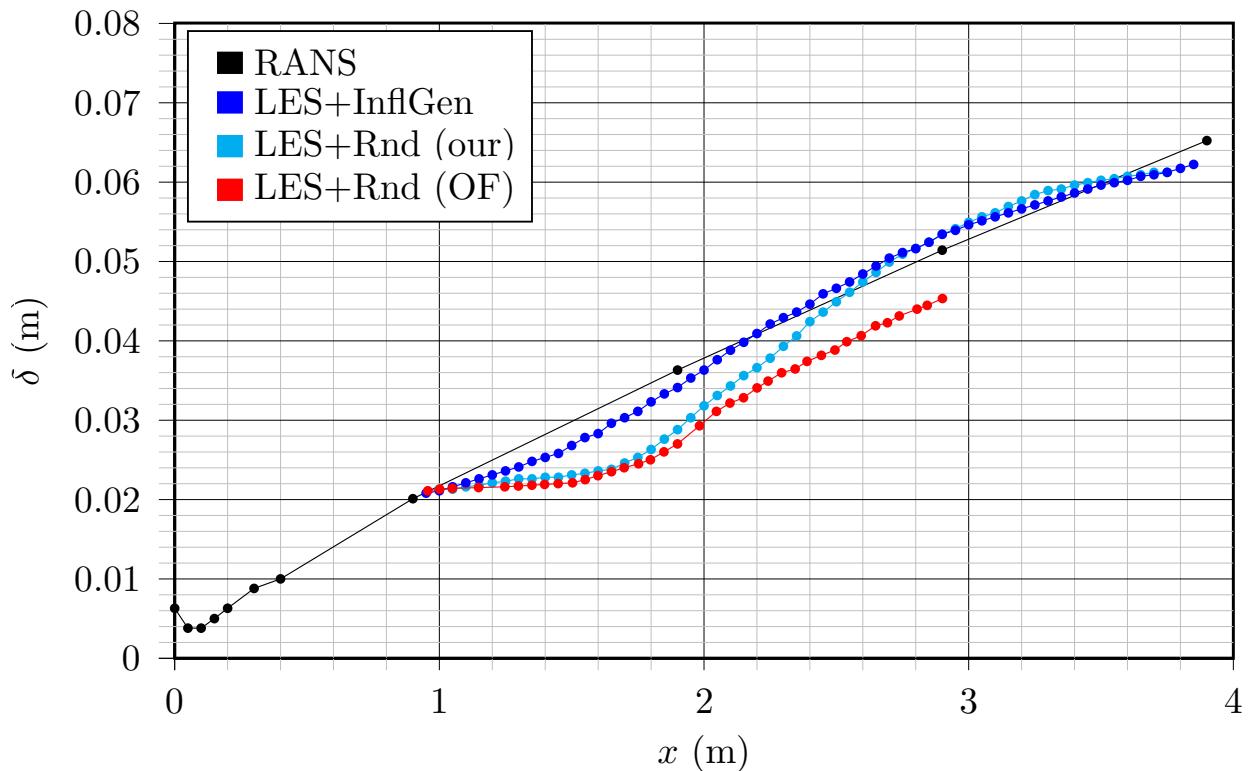


Figure 1: Comparison of the InflowGenerator and random generators.