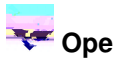






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# Getting started

To use the library, add the following line to the test bench:

```
use work.rng_lib.all;
```

A random variable is defined as follows:  $X \sim \text{Uniform}(0, 1)$ . The probability density function (PDF) of  $X$  is given by:



# Example

The file `tb_rng.vhd` will generate 10000 numbers of each of the dist f







