

# Product and ratio of two 'uniform numbers'

## Proposed exercises

- ▶ As examples of application of the general formula for the propagation, evaluate the pdf's of

$$Y_1 = X_1 \cdot X_2$$

$$Y_2 = X_1 / X_2$$

- ▶ Check the result by Monte Carlo sampling (or, better, do it first by MC, in order to have an idea of what the result should be...)