

Mass concentrations of air and water

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1. Task 10 in Stefan flow

In this task, the location at which the mass fraction of water equal to 0.5 must be calculated under the conditions given in Fig. (1) over Lake Constance.

The mass fraction of water vapor at $x = 1$ is equal to 0.5.

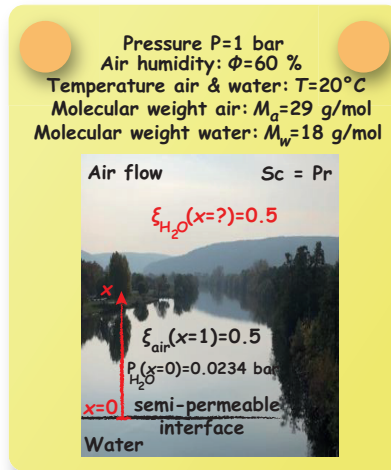


FIGURE 1. Problem definition.