Mass concentrations of air and water on the Lake Constance

The sum of the mass fractions over the surface of Lake Constance.

1. Task 8 in Stefan flow

In this task, sum of the mass fractions over the surface of Lake Constance must be derived under the conditions given in Fig. (1) over Lake Constance.
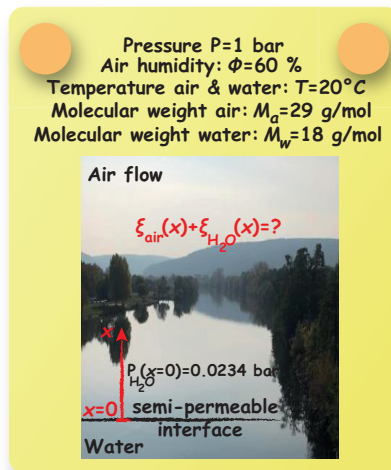
The sum of the mass fractions is equal to 1.

Figure 1. Problem definition.