

ABSTRACT


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An object of the present invention is to provide a method for simulating a distillation apparatus having a coupling-type distillation column (10), the method speeding completion of simulation operation. The simulation for the distillation apparatus including a coupling-type distillation column (10) is performed by use of a simulation program for simulating a distillation apparatus including a main column (31) and a side column (32) in combination. The simulation method includes the steps of inputting a liquid distribution ratio of the distillation apparatus (10) as a liquid flow rate distribution ratio of the distillation apparatus at which liquid descending from the top of the main column (31) is divided into liquid descending along a feed side section of the main column (31) and liquid descending along a side-cut side section of the side column (32); calculating a vapor distribution ratio of the distillation apparatus (10), in accordance with the liquid distribution ratio, for dividing vapor ascending from the column bottom into vapor ascending along the feed side section and vapor ascending along the side-cut side section; and performing simulation operation.