

Abstract

This combustion facility system comprises: a Pareto solution generating unit which, on the basis of a model relating to a combustion facility, generates a plurality of Pareto solutions relating to control parameters of the combustion facility, using a plurality of indicators relating to a combustion state as objective functions; and a preferred solution determining unit that determines one or more preferred solutions, from among the plurality of Pareto solutions, by employing an analytic hierarchy process with respect to the plurality of Pareto solutions generated by the Pareto solution generating unit.