

Title	ラフ集合論を用いた感性評価モデリングとデザイン支援システム
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## Abstract

This paper proposes a sensory modeling technique using the rough-sets theory based on a set of evaluation data for Kutani-ware coffee cups. Kutani-ware is a famous traditional craft which is a very important traditional industry in Japan but has been shrinking recently because of the changes in lifestyle or the appearance of more functional modern products. In order to reactivate this industry, the paper develops a modeling technique for identifying relations between design and feeling, by which craftsmen could produce products that attract the feeling of people. An important contribution of the paper is that the proposed technique can suggest new designs according to customers' sensory requirement, which are not used in the evaluation experiment.