## عنوان مقاله:

Modeling of Welding Pollen Geometry for TIG welding process based on fuzzy logic

## محل انتشار:

چهارمین کنفرانس ملی مهندسی مکانیک و هوافضا (سال: 1398)

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## خلاصه مقاله:

The process of Tungsten arc welding process covered by protective gas (TIG) is used as an efficient method in many industries. The most important usages of this process are welding of Hard and non-hard metals, ferrous and nonferrous metals in all thicknesses. Correct selection of welding parameters in order to obtain suitable welding geometry has a significant effect on welding quality. Due to the sensitivity of the issue and the accuracy required, creating an accurate model of welding parameters is very important. Fuzzy logic is one of the best modeling and forecasting tools among modeling methods. In this research, fuzzy logic has been used to model the effect of welding parameters in order to achieve proper welding geometry. The results of the research show that the proposed model .has a high degree of accuracy and capability

## کلمات کلیدی:

Fuzzy logic, Weld geometry, TIG