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عنوان مقاله:

FUZZY SUPERVISORY CONTROL FOR AN INDUSTRIAL HEAT EXCHANGER

محل انتشار:

پنجمین کنفرانس سراسری سیستم های هوشمند (سال: 1382)

تعداد صفحات اصل مقاله: 8

نویسنده:

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خلاصه مقاله:

An industrial approach for fuzzy supervisory control is studied in this paper. The method used is based on PID controller auto tuning, using a fuzzy algorithm. First, system identification algorithm is done for process parameter estimation. The fuzzy auto tuning algorithm is done for PID coefficients tuning and optimization by learning the gain margin. It is clear that the gain and phase margins have a relation with each other. This method is valid for stable systems. Auto tuning process has been done for an industrial heat exchanger in the liming subsection of purification .section of a sugar factory in Iran and results are presented

کلمات کلیدی:

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