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模糊外展故障诊断方法在飞机电源系统中的应用

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FAULT DIAGNOSTIC METHOD WITH FUZZY ABDUCTION IN ELECTRIC POWER SYSTEM OF AEROCRAFT

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摘要 参考文献 相关文章

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摘要 讨论了一种模糊外展（ａｂｄｕｃｔｉｏｎ）故障诊断方法在电源系统应用。该方法在确定故障的种类的同时，还可得到故障的严重程度。特点是在测量信号不完整时可得到一个观测到的现象的“覆盖”集合。

关键词：

Abstract： Fault modes of electric power systems in aircraft are often in the deviation of their measured values from the nominal ones. This paper proposes an application of the method of fault-diagnosis with fuzzy abduction in electric power systems. The types and degrees of faults can be inferred by this method. A new idea of the method is to find a set of fault causes that "covers" the observed symptoms, instead of deriving the symptoms exactly.

Keywords：

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