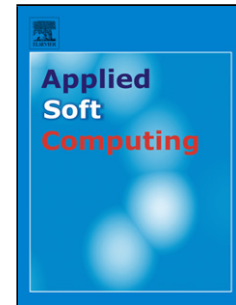


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Author: Keiichi Ito Ivo Couckuyt Roberto d'Ippolito Tom Dhaene



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The proposed method is a new adaptive sampling method.

1. It can sample from the input region that satisfies certain objective value.
2. It can sample from non-convex and multiple discrete regions.
3. It does not require "positive" and "negative" samples from the beginning.
4. Good scaling property to higher dimensional problems.

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