

SIGEVO Summer School 2017 Challenge

Challenge posed by Dr Manuel Lopez-Ibanez

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Do you need to use the hypervolume measure in order to tune multi-objective optimizers by means of irace?

Not necessarily.

In order to tune multi-objective optimizers, *irace* provides the hypervolume as one of the measures which can be used. It need not necessarily be the only measure one has to use.

It has however been shown by Lopez-Ibanez et al., 2011, that the hypervolume is one of the best measures to automatically tune and improve multi-objective EAs.