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Title: A prediction strategy based on center points and knee points for evolutionary dynamic multi-objective optimization

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Highlights:

An prediction strategy was proposed to solve dynamic multi-objective optimization problems (DMOPs).

A method of predicting the non-dominated set was proposed to make population quickly converge to PF.

The knee point set was introduced into the population as the guidance individuals to respond to the environmental changes faster.

An adaptive diversity maintenance mechanism was proposed to maintain adaptively the diversity of the population.

The statistical results show that the method can effectively deal with DMOPs.

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