A New Dynamic Reference Point Adaptation Mechanism in indicator-based EMOA based on weak convergence detection

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***Abstract*—The abstract goes here.**
***Keywords*—keyword 1; keyword 2**

I. Introduction

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mds

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A. Subsection Heading Here

Subsection text here.

1) Subsubsection Heading Here: Subsubsection text here.

II. reference point adaptation

some text

III. dynamic mechanism

some text

A. reference point specification for optimal distribution

some text

B. reference point specification for fast convergence

some text

C. linearly decrease mechanism

some text

IV. New dynamic mechanism

In this section, we will introduce a new mechanism that combines a weak convergence detection criterion. As we have explained before, a slightly larger r is suggested at the initial stage of the algorithms. But for well diversity at the final stage, it is needed to set r to it's optimal value $(1 + 1/H)$. So

A. weak convergence detection

some text LSCD: least squares convergence detection

V. Computational Experiments

A. settings

VI. Conclusion

The conclusion goes here.

Acknowledgment

The authors would like to thank... [2]

References

[1] H. Kopka and P. W. Daly, *A Guide to LaTeX*, 3rd ed. Harlow, England: Addison-Wesley, 1999.
[2] H. pka and P. W. Daly, *A Guito LaTeX*, 3rd ed. Harlow, England: Addison-Wesley, 1999.