

# An Interval Method for Nonsmooth Global Optimization

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**Abstract** In this paper, an interval method using optimal bicedentred form for nonsmooth unconstrained global optimization is presented. The complexity of the method and the numerical examples are given too.

## References

- [1] Y. Fujii, Maximization of Multivariable Functions Using Interval Analysis, Interval Mathematics, Springer, 1985.
- [2] E. Hansen, Global Optimization Using Interval Analysis, Marcel Dekker, 1992.
- [3] H. Ratschek, J. Rokne, New Computer Methods for Global Optimization, Ellis Horwood, 1988.

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