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## Derivative free nonsmooth optimization algorithm for large data clustering

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**Abstract :** The minimum clustering problem for large data sets is formulated as a problem of nonsmooth, nonconvex optimization problem[1]. An algorithm for solving this problem is proposed by using diagonal discrete gradient bundle techniques[2]. Numerical simulation show the efficiency of the current novel algorithm.

Keywords: cluster analysis; derivative free; nondifferentiable; nonsmooth optimization

## References

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