Abstract

In case of numerical optimization problem, the size of data sets and computational complexity is rising enormously. These numerical optimization problem generally has lots of local minima and Evolutionary Algorithms helps quickly to find the optimal solution in this exigent search space. Not only that but also computing the objective functions becomes a very complicated and time consuming task. For this reason distributed computing system is very helpful. That's why Facebook is used as a cloud platform. Facebook users voluntarily support this scientific work of finding the solution for Numerical Optimization problems by sharing their CPU cycle.

References

Using Facebook as a Cloud Platform for Solving Numerical Optimization Problem

- Kirkpatrick, David (2007-05-29). "Facebook’s plan to hook up the world." CNN. Retrieved 2008-03-05

Index Terms

Computer Science

Information Sciences
Keywords
 Numerical Optimization  Cloud  Sketching  Evolutionary Algorithms  Distributed Computing