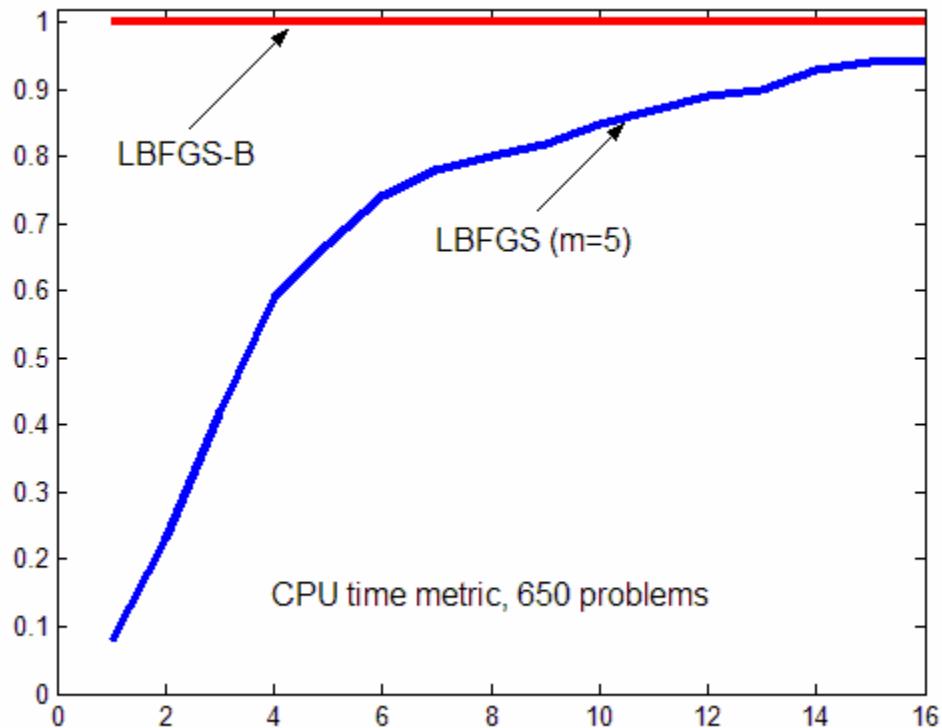


# Comparison LBFGS-B versus LBFGS

Neculai Andrei

*Research Institute for Informatics,  
Center for Advanced Modeling and Optimization,  
8-10, Averescu Avenue, Bucharest 1, Romania,  
Academy of Romanian Scientists  
E-mail: [nandrei@ici.ro](mailto:nandrei@ici.ro)*

August 10, 2010



**Fig. 1.** LBFGS-B versus LBFGS (m=5)

## References

- [1] R. H. Byrd, P. Lu, J. Nocedal and C. Zhu, "A limited memory algorithm for bound constrained optimization", SIAM J. Scientific Computing 16 (1995), no. 5, pp. 1190—1208.
- [2] C. Zhu, R.H. Byrd, P. Lu, J. Nocedal, "L-BFGS-B: FORTRAN Subroutines for Large Scale Bound Constrained Optimization" Tech. Report, NAM-11, EECS Department, Northwestern University, 1994.