CI1034 - TÓPICOS EM OTIMIZAÇÃO
LB: 20 - PD: 40

Ementa

Tópicos diversos relacionados a problemas e algoritmos de otimização.

Bibliografia

1. S. Boyd e L. Vandenberghe. Convex Optimization. Cambridge University Press, 2004. URL: https://web.stanford.edu/~boyd/cvxbook/

2. C. H. Papadimitriou e K. Steiglitz. Combinatorial Optimization: Algorithms and Complexity. Dover Pub., 1998.

3. E. Hansen e G. W. Walster. Global Optimization Using Interval Analysis. Second Edition, Revised and Expanded. Marcel Dekker, 2004.

Bibliografia Complementar

1. . Nocedal e S. J. Wright. Numerical Optimization. Second Edition. Springer, 2006.

2. S. P. Bradley, A. C. Hax e T. L. Magnanti. Applied Mathematical Programming. Addison-Wesley Publishing Company, 1977. URL: https://web.mit.edu/15.053/www/AMP.htm

3. H. Ratschek e J. G. Rokne. New Computer Methods for Global Optimization. Wiley, New York, 1988.

4. R. B. Kearfott. Rigorous Global Search: Continuous Problems. Nonconvex Optimization and Its Applications 13, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1996.

5. Ana Friedlander. Elementos de Programação Não-Linear. URL: https://www.ime.unicamp.br/~friedlan/livro.pdf

6. Thomas Weise. Global Optimization Algorithms - Theory and Application. 3rd Edition. 2011. URL: http://www.it-weise.de/projects/bookNew.pdf

7. R. E. Moore, R. B. Kearfott e M. J. Cloud. Introduction to Interval Analysis. SIAM, 2009.