

[Gay, David M.](#)

More AD of nonlinear AMPL models: Computing Hessian information and exploiting partial separability. (English) [Zbl 0866.65018](#)

Berz, Martin (ed.) et al., Computational differentiation: techniques, applications, and tools. Proceedings of the second international workshop on computational differentiation, February 12–14, 1996. Philadelphia, PA: SIAM. 173-184 (1996).

MSC:

[65D25](#) Numerical differentiation
[65K05](#) Numerical mathematical programming methods
[90C30](#) Nonlinear programming

Cited in 7 Documents

Keywords:

[nonlinear programming](#); [tree walks](#); [partial separability](#); [gradients](#); [computational experience](#); [automatic differentiation](#); [modeling language AMPL](#); [Jacobians](#); [Hessian matrix](#)

Software:

[tn](#); [Algorithm 611](#); [AMPL](#); [ve08](#); [ADOL-C](#); [LANCELOT](#)