ERRATA CORRIGE

On the Solution of the Unidimensional Local Minimization Problem

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Abstract. A correction of the procedure of Ref. 1 is given.

Key Words. Nonlinear programming, unidimensional search, numerical methods.

While programming the procedure given in Section 2 of Ref. 1, we discovered that, although the properties of the search procedure are correct, the procedure contains two wrong assignments.

In expression (1) of Ref. 1,

$$t^{k+1} := t^k, \quad \text{else } t^{k+1} := t^k + 1,$$

should be replaced with

$$t^{k+1} := 2, \quad \text{else } t^{k+1} := 2t^k - 1.$$

In expression (2) of Ref. 1,

$$t^{k+1} := t^k - 1, \quad \text{else } t^{k+1} := t^k,$$

should be replaced with

$$t^{k+1} := 2t^k - 4, \quad \text{else } t^{k+1} := 3.$$

Reference

1. HÖPFINGER, E., *On the Solution of the Unidimensional Local Minimization Problem*, Journal of Optimization Theory and Applications, Vol. 18, No. 3, 1976.

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