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ERRATUM TO "APPROXIMATE SUBDIFFERENTIALS AND APPLICATIONS. I: THE FINITE DIMENSIONAL THEORY"

BY

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In my paper *Approximate subdifferentials and applications.* I: *The finite dimensional theory*, this journal **281** (1984), 389–416:

(a) the formula in Proposition 4 (p. 395, line −12) must be

$$\limsup_{\substack{h \to 0 \\ x \to z}} \|h\|^{-1} |f(x + h) - f(x) - \langle x^*, h \rangle| = 0.$$

(b) Lines 7 and 8 on p. 396 must be

In other words, $h \in T_c(S, z)$ if and only if for any sequences $\{x_n\} \subset S$ converging to z and $t_n \searrow 0$ there are $u_n \to h$ such that $x_n + t_n u_n \in S$ for all n.

(c) The function in the displayed formula on p. 298, lines 17–19 must be

$$f(x) = \begin{cases} 0, & \text{if } x \geqslant 0, \\ -|x|^{1/2}, & \text{if } x < 0. \end{cases}$$

I am indebted to L. Thibault for pointing out some of the miswritings.

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