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CORRIGENDUM TO: THE DAUGAVET PROPERTY FOR SPACES OF LIPSCHITZ FUNCTIONS

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Abstract

Corrigendum to our paper *The Daugavet property for spaces of Lipschitz functions*, Math. Scand. 101 (2007), 261–279.

David Dubray has pointed out to us a serious gap in the proof of Lemma 3.2. In order to fix it, one has to modify the assertion of Lemma 3.2 in that τ_1 and τ_2 now also satisfy the inequality

$$\rho(t_1, \tau_j) + \rho(t_2, \tau_j) \leq \frac{a}{1-\varepsilon} \qquad (j = 1, 2).$$

To achieve this one introduces a fourth auxiliary function into the proof, viz.

$$y_4(t) = \frac{a}{2} \frac{\rho(t_1, t) - \rho(t_2, t)}{\rho(t_1, t) + \rho(t_2, t)}.$$

The full details can be found at

`http://page.mi.fu-berlin.de/werner/preprints/daugalip-corr.pdf`.

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