CORRIGENDUM

Reynolds-number effects and anisotropy in transverse-jet mixing – CORRIGENDUM

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In Shan & Dimotakis (2006), the Schmidt number was incorrectly stated as 2800 on p. 60. The correct value, calculated from the diffusivity of rhodamine-6g given in Xu & Yeung (1997) should be 3570. This also affected values in the right-most column of table 1. The correct table should appear as follows.

Re_j	V_r	Θ/d_j	Re_Γ	Re_λ	λ_v/λ_p	$\lambda_{\mathscr{D}}/\lambda_p$
1.0×10^3	10	0.30	0.58×10^3	32	281	4.7
2.0×10^3	10	0.21	1.2×10^3	45	167	2.8
5.0×10^3	10	0.13	2.9×10^3	71	84	1.4
10×10^3	10	0.094	5.8×10^3	100	50	0.84
20×10^3	10	0.067	12×10^3	141	30	0.50

TABLE 1. Experimental conditions and imaging resolution of the LIF measurements at $x/d_j = 50$. λ_p is the in-plane pixel resolution for the transverse slices. The momentum thickness, Θ, is computed at the jet exit. The circulation-based (Re_Γ) and Taylor (Re_λ) Reynolds numbers are computed at $x/d_j = 50$.

REFERENCE

Xu, X.-H. & Yeung, E. S. 1997 Direct measurement of single-molecule diffusion and photo-decomposition in free solution. *Science* **275**, 1106–1109.