Errata

Measurements of Minute Unsteady Pressure on Three-Dimensional Fan

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The probe position of a hot-wire anemometer in Fig. 1 and the corresponding descriptions in text were wrong. Also, a driving-shaft length of “0.043 m” in Table 1 was wrong. The correct length is “0.430 m.” The correct figure and table are attached behind these errata.

Fig. 1 Experimental apparatus for the surface-pressure measurement on a propeller fan. A pressure transducer is fixed on a pressure surface (the pressure side of a blade surface) or on a suction surface (the suction side of a blade surface) of the fan. In this figure, a pressure transducer is fixed on a pressure surface.

Wrong

p. 301, 4 ℓ, 6 ℓ and 11 ℓ; p. 302, captions of Figs. 3 and 4.
“in the upstream”

Correct

“in the downstream”

Wrong

p. 301, 4 ℓ and 12 ℓ; p. 302, captions of Figs. 3 and 4.
“from the hub front”

Correct

“from the hub back”

Table 1 Experimental conditions.

Fan radius R	0.235m
Rotation speed N	1.7 - 12.9rps
$Re = 2\pi R^2/\nu = VR/\nu$	$3.8 \times 10^4 - 3.0 \times 10^5$
Hub radius R_h	0.073m
Hub ratio R_h/R	0.31
Hub length	0.052m
Inner radius of casing	0.240m
Casing thickness	0.010m
Casing width	0.290m
Driving-shaft radius	0.010m
Driving-shaft length	0.430m
Gap between the rear ends of casing and hub	0.010m