Errata

A Windtunnel Investigation on the Local Heat Transfer from a Sphere, Including the Influence of Turbulence and Roughness, by ARMIN N. AUFDERMAUR and JÜRGEN JOSS, ZAMP 18, 852-866 (1967)

We found that the turbulence measurements given on page 853, table 1, frequency range 20-2000 Hz were wrong because the frequency response of that particular hot wire anemometer was slower than assumed. We repeated the measurements with a Disa type 55 D 05 hot wire anemometer having a flat response up to 50 kHz. This instrument made it possible to determine the spectral distribution in more detail. The new results are given below, the errors are estimated to be within $\pm 30\%$ of the given values.

Table 1

Spectral distribution of turbulence $\sqrt{(\overline{U'})^2}/U$ in ‰ at different wind speeds in the place where the heat transfer was measured. To produce turbulence, square mesh grids were inserted 12 cm ahead of this place. Grid G1 consisted of 1 mm wires at distances of 6.5 mm, G5 had circular rods of 5 mm diameter, spaced centre to centre 20 mm.

U		$f = 3$ -56	56 -280	280 -1400	1400 -7000	7000 -50000	3 -50000 Hz
no grid	2.5 m/s	1.9‰	< 1‰				2‰
	10	4.0					4
	40	3.6					5
grid G1	2.5	15	11	5.3	8.5 2		19
	10	8.1	11	13			21
	40	4.3	5.2	8.8			18
grid G5	2.5	41	39	18	2.4	< 1	59
	10	20	33	34	21	5.5	56
	40	11	20	29	27	17	47

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4th Czechoslovak Conference on Electronics and Vacuum Physics, Prague, October 7-12, 1968 organized by the Charles University, Czechoslovak Academy of Sciences and the Vacuum Electronics Research Institute (Tesla Vuvet). Subjects to be treated:

- Electronic Processes in Thin Films, Electronics of Surfaces.
- Electron Optics of Axial Symmetric and Assymmetric Systems, Wave Electron Optics.
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- Low and Middle Pressure Discharges, Oscillatory and Wave Phenomena in Plasma, Magnetohydrodynamics.
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