= ERRATA ==

Erratum: "Thermal Crisis of a Vortex Source" [*Technical Physics* 936 (7), (2011)]

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p. 936, abstract, line 1 and for all text: *bulk vortex source* should read *mass vortex source*;

line 5: of transonic to a supersonic flow should read of transition through a sonic flow speed;

p. 936, INTRODUCTION, first line should read:

In [1, 2], differences in 1D, 2D, and 3D flows with a preset heat supply (in particular, concerning the presence or absence of a direct shock, character of threshold of shock waves appearance and a shock-free mode of sonic flow speed transition in the heat release region [3, 4]) are described.;

p. 936, left column, line 21: *choking cross section* r_{ex} should read *back cross section* r_{ex} ;

p. 936, right column, line 5 and everywhere: *mass flow rate*, *flow rate* should read *mass flow*;

line 7 and for all text: *submerged* should be read *stagnant*;

p. 937, in the equation following the first paragraph: $2\pi \int rfdr - 1$ should read $2\pi \int rfdr = 1$;

p. 938, Fig. 1 caption should read:

Fig.1. Dependences of (a, c) radial Mach number M_r and (b, d) total Mach number M on coordinate r (for $\gamma = 1.4$, $r_1 = 2$, $r_2 = 3$, and f(r) = C). (a) Curve 1 corresponds to a vortex source with heat release into vacuum, $\Gamma = 0.608 \ (m = m_{\text{max}}/4 = 0.0647), \ E_{\text{cr}} =$ 0.490, $\Phi_{cr} = \Phi_2 = 1.85$; curve *la* corresponds to the absence of heat supply, E = 0; curve 2—the source with a flow into vacuum, $\Gamma = 0$ ($m = m_{\text{max}} = 0.2588$), $E_{\rm cr} = 1.33, \Phi_{\rm cr} = \Phi_2 = 1.582$; curve 2*a*—*E* = 0; curve 3 vortex source with a flow to the stagnant space, $\Gamma =$ $0.608, E_{cr} = 22.75, \Phi_{cr} = \Phi_2 = 40.67;$ curve 3a - E = 0;curve 4—source to the stagnant space, $\Gamma = 0$, $E_{cr} =$ 9.30, $\Phi_{cr} = \Phi_2 = 4.793$; curve 4a - E = 0. (b) The same as in (a), but for M_{r} . (c) Curve 5 corresponds to a vortex sink from the stagnant space, $\Gamma = 0.608$ (m = 0.0647), $E_{\rm cr} = 18.73$, $\Phi_{\rm cr} = \Phi_1 = 33.889$; curve 5a - E =0; curve 6—sink from the stagnant space, $\Gamma = 0$ (m = 0.2588), $E_{cr} = 4.90$, $\Phi_{cr} = \Phi_1 = 3.144$; curve 6a - E = 0; curve 7--vortex sink from vacuum, $\Gamma = 0.608$, $E_{cr} = 0.231$, $\Phi_{cr} = \Phi_1 = 1.405$; curve 7a - E = 0; curve 8--sink from vacuum, the $\Gamma = 0$, $E_{cr} = 0.536$, $\Phi_{cr} = \Phi_1 = 1.235$; curve 8a - E = 0. (d) The same as in (c), but for M(r).

p. 938, left column, line 7: 5.3 (monatomic gas) should read 5/3 (monatomic gas);

p. 939, caption to Fig. 2, 3rd line: "vortex sink" should be read "vortex source";

second line from below in figure caption: 0.07766 should read 0.7766;

p. 939, left column lines 1,3,5,6: *heat release, heat is released* should read *flow*;

p. 940, caption to Fig. 4, 6th line from above: $E = E_{min} = 0.450$ should read $E = E_{mm} = 0.450$;

p. 940, right column, 1st line from above: $F(r_{ex}) - 1/2\pi$ should read $F(r_{ex}) = 1/2\pi$;

second paragraph, 1st and 5th lines: *heat release* should read *flow*;

p. 941, 3rd line from below: *fluctuation* should read *circulation*;

p. 942, left column, 2nd line from below: *stagnation* should read *deceleration*;

p. 942, right column, 1st line after formula (14): "vortex source" should be read "vortex sink";

p. 943, left column, the second and first lines before ACKNOWLEDGMENTS should read:

For a certain value E_{mm} radius r_{min} is equal to the absolute minimal radius r_{mm} .

p. 943, left column; in ref. 2, "No. 1 (additional)" should be added;

p. 943, right column: in ref 5, "**80**" should be read "**83**"; ref. 6, "pp. 18–20" should read "59–69."

p. 943, ref. [19] should read: 19. A.N. Kucherov, Uch. Zap. TsAGI 14 (4), 47 (1983).