ERRATA

Correction in the note by M.V. Tret'iakov: Flow round permeable contours (*PMM* Vol. 22, No. 2, 1958, pp. 220-225; *PMM* translation, pp. 297-304).

This paper contains the erroneous assertion, that the integral

$$\int_L \gamma\,(S) \frac{\sin \lambda}{r}\,dS$$

will be constant for any smooth closed contour. This integral will be constant only for a circular closed contour and, as a consequence, the results of the second section of the article will be valid only for a circular uniformly permeable contour.

I am grateful to V.S. Rogozhin for calling my attention to this error.

M.V.T.

Correction in the article by Iu.D. Shmyglevskii: Supersonic profiles with minimum drag (*PMM* Vol. 22, No. 2, 1958, pp. 269-273; *PMM* translation, pp. 368-374).

The paper considers the variational problem regarding the determination of the best supersonic profile shape for given velocity of the approaching stream. The region of applicability of the theory was studied and sub-regions were indicated, in which the sought profiles are concave or convex. It was pointed out that convex profiles must have a discontinuity [break]. However, it is now possible to establish that the suggested method for the construction of convex profiles, even though it permits the determination of profiles which are better than rectilinear ones, does not give the solution to the variational problem. The error is caused by not taking into account the fact that on the segment of the characteristic *BC* (Fig. 1), determined by the break of the contour, the sought functions at each point are functionals of the shape of the shock wave. The corresponding variational problem cannot even be formulated since explicit expressions of these functionals are unknown. The same error occurs also in my article *On bodies of revolution having minimum drag at supersonic speeds* (*Dokl. Akad. Nauk SSSR* Vol. 126, No. 5, 1959,

pp. 958-960, in which a particular case of the same problem is considered.

Iu. D. S.

Correction in the note by V. I. Merkulov: Heat exchange in plane steady flow of a viscous fluid (*PMM* Vol. 23, No. 3, 1959, pp. 581-583; *PMM* translation, pp. 819-822.

The note contains an error. In the last inequality, in order to estimate the kernel of the integral equation, one must take $P^{-1/2}$ and not $R^{-1/2}$, and the theorem for small Prandtl numbers must be formulated accordingly.

V. I. M.

Correction in the note by G. Ia. Popov: Bending of an infinite plate on an elastic half-space with a variable, in depth, modulus of elasticity (*PMM* Vol. 23, No. 6, 1959, pp. 1095-1101; *PMM* translation, pp. 1566-1573).

In this note in Formulas (3.5) there is printed a Bessel function of an imaginary argument $I_0(z)$. Instead, there should be a Bessel function of the first kind $J_0(z)$.

G. Ia. P.

Correction in the note by V. N. Koshliakov: On the theory of gyrocompasses (*PMM* Vol. 23, No. 5, 1959, pp. 810-818; *PMM* translation, pp. 1164-1173).

To avoid any misunderstanding, I find it necessary to point out that in my paper the system (1.2) should be considered as the homogeneous part of the equations of perturbed motion.

V. N. K.