



---

Soviet-era science, translated into English

# Corrections

=

1957

SovietRxiv

---

View the original and related papers at <https://sovietrxiv.org/items/ru-195701.29377>

Source: Math-Net.Ru and CyberLeninka. Machine translation. Verify with the original.

## Abstract

## Full Text

## Corrections

In the article by Yu. D. Shmyglevsky, “Variational Problem of the Gas Dynamics of Axisymmetric Supersonic Flows,” published in DAN, vol. 113, no. 3, 1957, the equation on p. 522, line 7 from the bottom, should read

$$\frac{dr}{d\psi} = -\frac{\omega'(\alpha)\varphi(\psi)}{V_{xr}} \sin(\vartheta - \alpha).$$

In the article by F. S. Klebanov, “On the Motion of Air through Mine Workings in the Presence of Worked-Out Spaces,” published in DAN, vol. 113, no. 4, 1957, formula (7) on p. 768 should read

$$2 \int_0^{\beta x} \frac{dx}{\sqrt[n]{r(x)}} = \int_0^x \frac{dx}{\sqrt[n]{r(x)}}. \quad (7)$$

Formula (8) should read

$$Q(x) = Q_0 + \frac{Q_0^2 m}{lr_0 a} \left( \frac{R}{a} \ln \frac{2}{1 + e^{-\alpha x}} + R_2 l \right) (1 - e^{-kx}). \quad (8)$$

T-10510

Signed for printing 31/X 1957. Print run 5900 copies. Order No. 1963.

Paper size 70 × 108 1/16. Paper sheets 5 1/2. Printed sheets 15.07 + 6 inserts.

Publisher's sheets 15.2.

2nd Printing House of the Publishing House of the Academy of Sciences of the USSR. Moscow, Shubinsky Lane, 10.

*Note: Figure translations are in progress. See original paper for figures.*

*Source: Math-Net.Ru and CyberLeninka. Machine translation. Verify with the original.*