

**S. D. Kaitmazov, I. K.
Krasiuk, P. P. Pashinin,
A. M. Prokhorov.
Characteristics of
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Abstract

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LETTER TO THE EDITOR

The main results of my article "Basic Boundary-Value Problems of Potential Theory for a Space with an Elliptic Slit. Pressure of an Elliptic Punch on an Elastic Half-Space," published in *Doklady Akademii Nauk SSSR*, vol. 176, no. 1, 1967, are based on the Green' s function of a two-sheeted Riemann space with an elliptic line of branching. In constructing this function, A. Sommerfeld' s scheme was used for constructing the Green' s function of a two-sheeted Riemann space whose line of branching is one straight line or two parallel straight lines. Unfortunately, in the general case A. Sommerfeld' s scheme does not yield a harmonic function, and his result for two rectilinear parallel lines of branching is incorrect. Therefore the Green' s function of a two-sheeted Riemann space with an elliptic line of branching given in my work is incorrect, and the main results of the work contain an error.

M. D. Martynenko

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