

In my article (V. F. Zhdanovich, “Asymptotic expansions of eigenvalues of a boundary-value problem with a parameter”), published in *DAN*, vol. 135, no. 6, 1960, Theorem 3 in the formulation given in the article is incorrect. Since Theorem 4 partially relies on Theorem 3, Theorem 4 is not always true. Theorem 4 remains true if

one additionally requires that representation (13) hold. In addition, in the formulation of Theorem 4, instead of the word “products” (p. 1321, line 8 from the top), one should read “derivatives.”

V. F. Zhdanovich

1961

SovietRxiv

View the original and related papers at <https://sovietrxiv.org/items/ru-196101.15315>

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

Abstract

Full Text

CORRECTION

In my article (V. F. Zhdanovich, “Asymptotic expansions of eigenvalues of a boundary-value problem with a parameter”), published in *DAN*, vol. 135, no. 6, 1960, Theorem 3 in the formulation given in the article is incorrect. Since Theorem 4 partially relies on Theorem 3, Theorem 4 is not always true. Theorem 4 remains true if one additionally requires that representation (13) hold. In addition, in the formulation of Theorem 4, instead of the word “products” (p. 1321, line 8 from the top), one should read “derivatives.”

V. F. Zhdanovich

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

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