

Benefits of Including Material from a Soviet Problem Handbook in Calculus Classes

Philippe Savoye
Mansfield University

Viktoriya Belianskaya
Apolonia Rodríguez Gonzales
José Pemintel Oropeza
Universidad Mayor, Real y Pontificia de San Francisco Xavier de Chuquisaca, Bolivia

In this article, we identify some of the strengths of a problem handbook published by Boris Demidovich in 1975 and make recommendations as to how the problems and approaches presented in the book can be incorporated into calculus courses.



Philippe Savoye teaches mathematics at Mansfield University, a small public college in northern Pennsylvania. In recent years, he has studied new approaches to teaching calculus and differential equations. He enjoys listening to Andean music in the company of his cats.

Viktoriya Belianskaya teaches computer science and systems engineering at the Universidad Mayor, Real y Pontificia de San Francisco Xavier de Chuquisaca, Bolivia. Her primary interests are operations research and some topics of artificial intelligence. She enjoys classical music and Russian songs in the company of close friends.



Apolonia Rodríguez Gonzales is a PhD student in biotechnology at the Universidad Mayor, Real y Pontificia de San Francisco Xavier de Chuquisaca, Bolivia, where she has been a faculty member since 2005. Her primary academic interests include studying the effects of human activity on the environment and mathematical modeling in atmospheric science. She has served as a volunteer in activities related to cleaning the environment and enjoys traveling with her family.

José Pemintel Oropeza teaches mathematics at the Universidad Mayor, Real y Pontificia de San Francisco Xavier de Chuquisaca, Bolivia. His primary areas of interest are descriptive geometry, complex variables, and machine design. He enjoys engaging in leisure activities with his family.

