

- Zh. vychisl. Mat. mat. Fiz., Vol. 2, № 6, 1962.  
 3. Krylov, I. A. and Chernous'ko, F. L., Successive approximations algorithm for optimal control problems, (English translation), Pergamon Press, Zh. vychisl. Mat. mat. Fiz., Vol. 12, № 1, 1972.

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