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**Polishchuk D. F., Krylov E. G.**

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In the book the basic ideas of integrational mechanics with reference to a brief course of classical mechanics are considered. The unity of mathematics, physics and applied philosophy allows to study compactly fundamentals of classical mechanics including vibration, stability and impact. Ten problems on dynamics with the analysis of typical receptions of creativity are solved in detail. The book is intended for students and the engineers interested in studying classical mechanics in English.

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