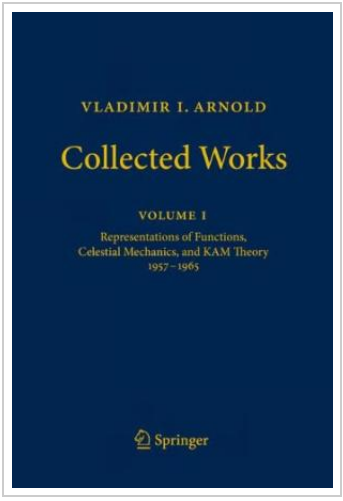

Vladimir I. Arnold - Collected Works: Representations of Functions, Celestial Mechanics, and Kam Theory 1957-1965

By Vladimir I. Arnold

Springer. Paperback. Condition: New. 487 pages. Dimensions: 9.6in. x 6.7in. x 1.0in.Vladimir Igorevich Arnold is one of the most influential mathematicians of our time. V. I. Arnold launched several mathematical domains (such as modern geometric mechanics, symplectic topology, and topological fluid dynamics) and contributed, in a fundamental way, to the foundations and methods in many subjects, from ordinary differential equations and celestial mechanics to singularity theory and real algebraic geometry. Even a quick look at a partial list of notions named after Arnold already gives an overview of the variety of such theories and domains: KAM (KolmogorovArnoldMoser) theory, The Arnold conjectures in symplectic topology, The HilbertArnold problem for the number of zeros of abelian integrals, Arnolds inequality, comparison, and complexification method in real algebraic geometry, ArnoldKolmogorov solution of Hilberts 13th problem, Arnolds spectral sequence in singularity theory, Arnold diffusion, The EulerPoincarArnold equations for geodesics on Lie groups, Arnolds stability criterion in hydrodynamics, ABC (ArnoldBeltramiChildress) ows in uid dynamics, The ArnoldKorkina dynamo, Arnolds cat map, The ArnoldLiouville theorem in integrable systems, Arnolds continued fractions, Arnolds interpretation of the Maslov index, Arnolds relation in cohomology of braid groups, Arnold tongues in bifurcation theory, The JordanArnold normal forms for families of matrices, The...

Reviews

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