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Hamiltonian mechanics is a theory developed as a reformulation of classical mechanics and predicts the same outcomes as non-Hamiltonian classical mechanics.

### **Hamiltonian mechanics - Wikipedia**

Abstract: We study the asymptotic behavior of a class of non-autonomous non-local fractional stochastic parabolic equation driven by multiplicative white noise on the entire space  $\mathbb{R}^n$ .

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MATHEMATICAL MODELING AND ORDINARY DIFFERENTIAL EQUATIONS I-Liang Chern Department of Mathematics National Taiwan University 2007, 2015 January 6, 2016

### **MATHEMATICAL MODELING AND ORDINARY DIFFERENTIAL EQUATIONS**

In physics and engineering, fluid dynamics is a subdiscipline of fluid mechanics that describes the flow of fluids—liquids and gases. It has several subdisciplines, including aerodynamics (the study of air and other gases in motion) and hydrodynamics (the study of liquids in motion).

### **Fluid dynamics - Wikipedia**

Abstract: We prove exact rate of decay for solutions to a class of second order ordinary differential equations with degenerate potentials, in particular, for potential functions that grow as different powers in different directions in a neighborhood of zero.

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### **Mathematics authors/titles "new"**

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### **Classical Mechanics - Marion, Thornton | Momentum**

Four on-lattice and six off-lattice models for active matter are studied numerically, showing that in contact with a wall, they display universal wetting transitions between three distinctive phases.

### **Condensed Matter authors/titles "new" - ArXiv\_NEW**

Volume 22, Number 12 (December 2016) pp.3981-4701: A SPECIAL SECTION Selected Peer-Reviewed

**ADVANCED SCIENCE LETTERS - American Scientific Publishers**

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**International Journal of Biomedical Imaging - hindawi.com**

Data, Maps, Usability, and Performance. Over 1000 D3.js Examples and Demos. Last updated on February 24, 2013 in Development

**Over 1000 D3.js Examples and Demos | TechSlides**

Matej Balog, Ilya Tolstikhin, and Bernhard Schölkopf. Differentially private database release via kernel mean embeddings. In 35th International Conference on Machine Learning, Stockholm, Sweden, July 2018.

**Machine Learning Group Publications - University of**

Lagrangian ocean analysis is a powerful way to analyse the output of ocean circulation models. We present a review of the Kinematic framework, available tools, and applications of Lagrangian ocean analysis.

**Lagrangian ocean analysis: Fundamentals and practices**

The President of the European Academy of Sciences, Alain Tressaud and its Presidium invite you to the reception, organized on April 13th, 2018, at 11.30 a.m, to be held at the Fondation Universitaire in Brussels, for the occasion of the taking office of the new President Rodrigo Martins and the new Heads of Divisions and Officers.

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