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The Journal of Geometric Mechanics (JGM) focuses on new applications of geometric methods (in a broad sense) to mechanics and control theory, and intends to facilitate interaction between theory and applications. Advances in the following topics will be welcomed by the journal:

- ▶ **Lagrangian and Hamiltonian mechanics**
- ▶ **Symplectic and Poisson geometry and their applications to mechanics**
- ▶ **Geometric and optimal control theory**
- ▶ **Geometric and variational integration**
- ▶ **Geometry of stochastic systems**
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- ▶ **Fluid mechanics**
- ▶ **Infinite-dimensional dynamical systems**
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Articles in the First Issue

- ▶ **The ubiquity of the symplectic Hamiltonian equations in mechanics**
Paula Balseiro, Manuel de León, Juan C. Marrero and David Martín de Diego
- ▶ **G-Chaplygin systems with internal symmetries, truncation, and an (almost) symplectic view of Chaplygin's ball**
Simon Hochgerner and Luis García Naranjo
- ▶ **Three-dimensional discrete systems of Hirota-Kimura**
Andrew N.W. Hone and Matteo Petrera
- ▶ **Diract Cotangent Bundle Reduction**
Hiroaki Yoshimura and Jerrold E. Marsden

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