

SYMPLECTIC

Meaning: Symplectic refers to a branch of geometry that deals with structures that preserve certain geometric properties, particularly in the context of Hamiltonian mechanics and phase spaces.

1. In the realm of mathematics, symplectic geometry plays a crucial role in the study of Hamiltonian systems.
2. She found the symplectic structure of the manifold to be both elegant and complex.
3. The physicist explained how symplectic transformations preserve the volume in phase space.
4. As a symplectic mathematician, he specialized in the dynamics of classical mechanics.
5. Understanding symplectic forms is fundamental for advanced studies in both physics and mathematics.

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