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The first law of thermodynamics is a version of the law of conservation of energy, adapted for thermodynamic systems. The law of conservation of energy states that the total energy of an isolated system is constant; energy can be transformed from one form to another, but can be neither created nor destroyed. The first law is often formulated as $\Delta U = Q - W$. It states that the change in the internal ...

First law of thermodynamics - Wikipedia

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A bullet is a kinetic projectile and the component of firearm ammunition that is expelled from the gun barrel during shooting. The term is from Middle French and originated as the diminutive of the word *boulette* (*boulet*), which means "small ball". Bullets are made of a variety of materials such as copper, lead, steel, polymer, rubber and even wax. They are available either singly as in ...

Bullet - Wikipedia

and noise reduction, shielding and grounding. Fourier transforms, lock-in detector, box-car integrator, modulation techniques. High frequency devices (including generators and detectors).

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Algorithmic information theory - Scholarpedia

1.. Introduction Predictive modeling of species geographic distributions based on the environmental conditions of sites of known occurrence constitutes an important technique in analytical biology, with applications in conservation and reserve planning, ecology, evolution, epidemiology, invasive-species management and other fields Corsi et al., 1999, Peterson and Shaw, 2003, Peterson et al ...

Maximum entropy modeling of species geographic

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