

	<p>I Jones polynomial for right trefoil knot; Witten's path-integral formulation for Jones polynomial using Chern-Simons action.</p> <p>II Associativity equation in Quantum Field Theory.</p> <p>III Yang-Baxter equation.</p> <p>IV Lorenz equations with orbit (Image: Scott Sutherland).</p> <p>V Diagram of black hole with Schwarzschild radius.</p> <p>VI The 5 regular polyhedra.</p> <p>VII Equiangular spiral drawn in "golden" rectangle (side ratio = golden mean g), ratio of consecutive Fibonacci numbers approaches g, represented by its continued fraction expansion.</p> <p>VIII Babylonian computation of $\sqrt{2}$. Tablet YBC 7289, Yale Babylonian Collection (Image: Bill Casselman).</p> <p>IX Visual proof of Pythagorean Theorem.</p> <p>X Cell decomposition of torus; Euler characteristic; Gauss-Bonnet formula.</p> <p>XI Archimedes: volume of sphere. He had this figure carved on his tombstone.</p> <p>XII Aharonov-Bohm effect.</p> <p>XIII Supergravity Langangian; root diagram for Lie group E_8.</p> <p>XIV Navier-Stokes equation with flow around cylinder (image: J.D. Kim, AMS, Stony Brook).</p>
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<p>In Ellipse: (Kepler's 1st law represented by star, ellipse, planet)</p> <p>1 Kepler's 2nd law.</p> <p>2 Newton's force-acceleration equation.</p> <p>3 Kepler's 3rd law.</p> <p>4 Newton's gravitational law.</p> <p>5 Einstein's General Relativity equation.</p> <p>6 Schrödinger's equation.</p> <p>7 Dirac equation.</p> <p>8 Atiyah-Singer Theorem.</p> <p>9 Yang-Mills Equations.</p> <p>10 Defining relation of Supersymmetry.</p>	<p>In Background:</p> <p>A Einstein's mass-energy equation.</p> <p>B Maxwell's Equations.</p> <p>C Stokes' Theorem.</p> <p>D The boundary of a boundary is zero.</p> <p>E Heisenberg's indeterminacy relation.</p> <p>F Euler's formula for Zeta-function.</p> <p>G Interaction between two strings; Feynman diagram shows corresponding interaction of particles, here the Compton scattering of a photon off an electron.</p>
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