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Gravitation Universal Law Of Gravitation (Newton): The Attractive Force Between Two Particles:  $F = G \frac{M_1 m_2}{R^2}$  Where  $G = 6.67 \times 10^{-11} \text{ N} \cdot \text{m}^2 / \text{Kg}^2$  Is The Universal Gravitational Constant.  $M_1$  Particle #1 Feels A Pull Toward Particle #2 Jan 9th, 2024.

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17. Quantum Gravity And Spacetime - PolyBackground-Independent. Ex 1: Loop Quantum Gravity •General Idea: Take GR As A Given And Try To Force QFT Into Its Mold. Procedure: •Try To Identify The "observables" Of GR: Very Hard To Do! Problems: 1.Constraint Equat Feb 1th, 2024

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Physics: The Arrow Of Time. Carroll, Sean (2012). His New Book, "Visual Differential Geometry And Forms: A Mathematical Drama In Five Acts", Was Published By Princeton University Press On July 13, 2021. Spacetime And Geometry: An Introduction To General Relativity. Sean M. Carroll. 4.8 Out Of 5 Stars ... Mar 5th, 2024.

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Relativity - DAMTP Sean Carroll, "Spacetime And Geometry" A Straightforward And  
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Topic 3: Spacetime Geometry And Clifford Algebras  
4. Properties Of Clifford Algebra  
25 Can Do Things That Grassmann Can't, Like Multiplication Of Two Planes Gives A Plane Most Important, Clifford Algebra Can Do Rotations Like Hamilton's Quaternions (more Later)  
5. Geometric Calculus  
26 Like Quaternions, You Have Sums Of Scalars And Vectors (and Bivectors And Trivectors ...) Mar 3th,

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