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measurement errors webs mn catholic edu au - *top fundamental and derived quantities physical quantities are not generally independent of one another many quantities can be expressed in terms of more fundamental quantities*, **physicists discover geometry underlying particle physics** - *physicists have discovered a jewel like geometric object that dramatically simplifies calculations of particle interactions and challenges the notion that space and time are fundamental components of reality*, **surveyors com land survey formulas** - *land survey formulas have always been based around mathematics and physics and use fundamental rules of each of these subject areas to create land surveys back in the times of the ancient egyptians land survey formulas were much more basic and used simple rules of geometry to conduct their surveys*, **glossary of physics terms tutor 4 physics** - *absolute humidity or saturation value the maximum amount of water vapor which could be present in 1 m of the air at any given temperature is called absolute humidity absolute magnitude a classification scheme which compensates for the distance differences to stars it calculates the brightness that stars would appear to have if they were all at a defined standard distance of 10 parsec*, **the feynman lectures on physics vol i ch 14 work and** - *in learning any subject of a technical nature where mathematics plays a role one is confronted with the task of understanding and storing away in the memory a huge body of facts and ideas held together by certain relationships which can be proved or shown to exist between them*, **wonders of numbers university of wisconsin madison** - *the prolific pickover dazzles us once more with his book wonders of numbers this big book of mathematical ideas provides hours days months if not years of entertaining numbers puzzles problems and novelties to explore*, **the feynman lectures on physics vol ii ch 17 the laws** - *dear reader there are several reasons you might be seeing this page in order to read the online edition of the feynman lectures on physics javascript must be supported by your browser and enabled if you have have visited this website previously it s possible you may have a mixture of incompatible files js css and html in your browser cache*, **mathematica latest version and quick revision history** - *version 11 3 expands mathematica and the wolfram language s functionality in mathematical computation audio and image processing machine learning and neural networks system modeling and more as well as introduces several new front end features version 11 2 expands mathematica and the wolfram*