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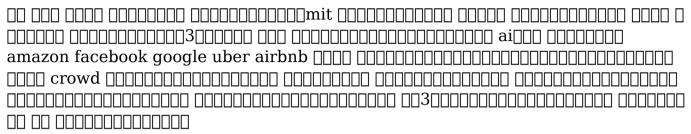
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taught cam design and machine design at universities for over 40 years he knows first hand that mechanical engineering students in most u s schools were never taught about cams and cam design most of the textbooks on related subjects either ignore cams or present information that is both obsolete and wrong about cams in many respects proper cam design only requires the adherence to a few simple rules the mathematics involved only requires an understanding of algebra trigonometry and simple differential calculus calculation of cam mathematics really requires the use of a computer at a minimum a spreadsheet can do the calculations but they are more easily done with an equation processor such as matlab mathcad or tksolver all inexpensive engineering tools this book also provides a free copy of the author s cam design program dynacam student edition which is also distributed with others of his many textbooks this program will allow you to create cams such as are defined in this book

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**Machine Design** 2019-09-03 this work was originally published as four separate books their titles and reviewers comments are given below history of the gear cutting machine a historical study in geometry and machines the book represents an overwhelmingly well done job of reducing a great mass of material scholarly references patents catalogs engineering and trade journals and machines themselves into a logical story of development written with zest and relish this vivid account presents a wealth of unusual information the illustrations are particularly good for many of them come from previously untapped sources technology and culture history of the grinding machine a historical study in tools and precision production from the polished artifacts of prehistoric times mr woodbury traces the development of methods abrasives and the machine tools which interdependently contributed to the advanced grinding techniques used today many fine illustrations the tool engineer history of the milling machine a study in technical development mr woodbury traces the evolution of milling

machines from eli whitney s machine circa 1820 the first miller ever built to numerical controlled milling machines presented cleanly with ample detail fine illustration and complete bibliography are provided the tool engineer history of the lathe to 1850 a study in the growth of a technical element of an industrial economy woodbury who teaches the history of technology at the massachusetts institute of technology is at work on a history of machine design which promises to alter our perspectives not only in his special field but in general cultural history his present history of the lathe to about 1850 absorbs the entire previous literature and goes far beyond it lynn white jr

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