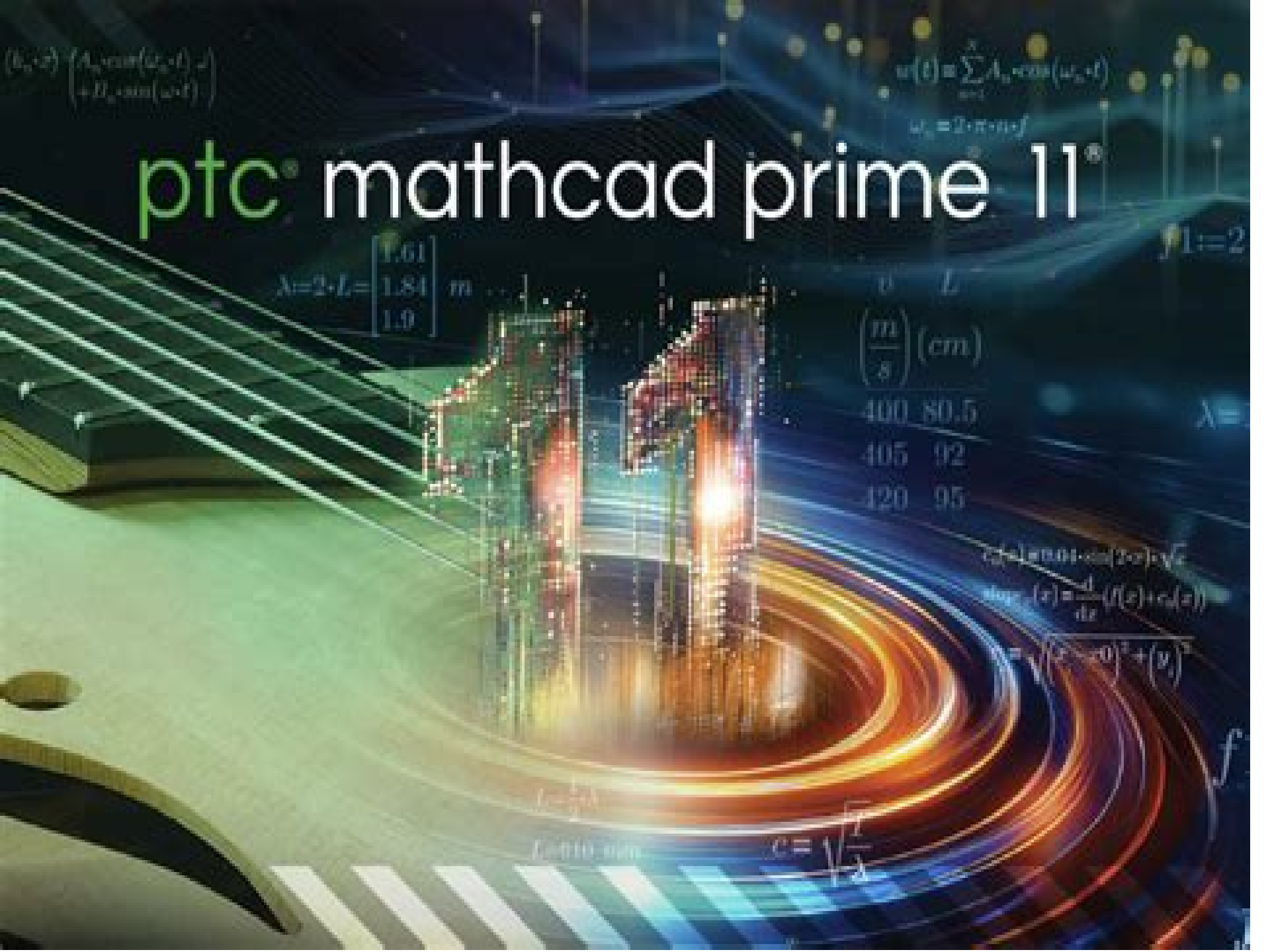




$$(b_n, x) = \begin{pmatrix} A_n \cdot \cos(\omega_n \cdot t) \\ + B_n \cdot \sin(\omega_n \cdot t) \end{pmatrix}$$

$$u(t) = \sum_{n=1}^N A_n \cdot \cos(\omega_n \cdot t)$$

$$\omega_n = 2 \cdot \pi \cdot n \cdot f$$

ptc mathcad prime 11

$$f1:=2$$

$$\lambda := 2 \cdot L = \begin{bmatrix} 1.61 \\ 1.84 \\ 1.9 \end{bmatrix} \text{ m}$$

$$\frac{v}{L} \left(\frac{\text{m}}{\text{s}} \right) (\text{cm})$$

$$400 \quad 80.5$$

$$405 \quad 92$$

$$420 \quad 95$$

$$\lambda =$$

$$c_n(x) = 0.01 \cdot \cos(2 \cdot x) \cdot \sqrt{x}$$

$$\text{slope}_n(x) = \frac{d}{dx} (f(x) + c_n(x))$$

$$= \sqrt{(x - x_0)^2 + (y_j)^2}$$

$$f$$

$$L = \frac{1}{2} \lambda$$

$$L = 0.10 \text{ mm}$$

$$c = \sqrt{\frac{f}{\lambda}}$$

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**Alexander Kravcov, Elena B.
Cherepetskaya, Vaclav Pospichal**

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Mathematics of Computation 1943-1993: A Half-Century of Computational Mathematics Walter Gautschi, 1994 Proceedings of an International Conference held in Vancouver B C August 1993 to commemorate the 50th anniversary of the founding of the journal Mathematics of Computation It consisted of a Symposium on Numerical Analysis and a Minisymposium of Computational Number Theory This proceedings contains 14 invited papers including two not presented at the conference an historical essay on integer factorization and a paper on componentwise perturbation bounds in linear algebra The invited papers present surveys on the various subdisciplines covered by Mathematics of

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Durability of Critical Infrastructure, Monitoring and Testing Alexander Kravcov,Elena B. Cherepetskaya,Vaclav Pospichal,2016-12-05 This book presents the proceedings of the International Conference on Durability of Critical Infrastructure Monitoring and Testing held in Satov Czech Republic from 6 to 9 December 2016 It discusses the developments in the theoretical and practical aspects in the fields of Safety Sustainability and Durability of the Critical Infrastructure The contributions are dealing with monitoring and testing of structural and composite materials with a new methods for their using for protection and prevention of the selected objects

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Reference Materials in Measurement and Technology Sergey V. Medvedevskikh,Egor P. Sobina,Olga N. Kremleva,Mikhail V. Okrepilov,2022-07-18 The book covers in particular state of the art scientific research about product quality control and related health and environmental safety topics including human animal and plant safety assurance issues These conference proceedings provide contemporary information on the general theoretical metrological and practical issues of the production and application of reference materials Reference materials play an integral role in physical chemical and related type of measurements ensuring their uniformity comparability and the validity of quantitative analysis as well as as a result the objectivity of decisions concerning the elimination of technical barriers in commercial and economic scientific and technical and other spheres of cooperation The book is intended for researchers and practitioners in the field of chemistry metrologists technical physics as well as for specialists in analytical laboratories or working for companies and organizations involved in the production distribution and use of reference materials

Proceedings of the 5th International Conference on Industrial Engineering (ICIE 2019) Andrey A. Radionov,Oleg A. Kravchenko,Victor I. Guzeev,Yurij V. Rozhdestvenskiy,2019-11-30 This book highlights recent findings in

industrial manufacturing and mechanical engineering and provides an overview of the state of the art in these fields mainly in Russia and Eastern Europe A broad range of topics and issues in modern engineering are discussed including the dynamics of machines and working processes friction wear and lubrication in machines surface transport and technological machines manufacturing engineering of industrial facilities materials engineering metallurgy control systems and their industrial applications industrial mechatronics automation and robotics The book gathers selected papers presented at the 5th International Conference on Industrial Engineering ICIE held in Sochi Russia in March 2019 The authors are experts in various fields of engineering and all papers have been carefully reviewed Given its scope the book will be of interest to a wide readership including mechanical and production engineers lecturers in engineering disciplines and engineering graduates

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