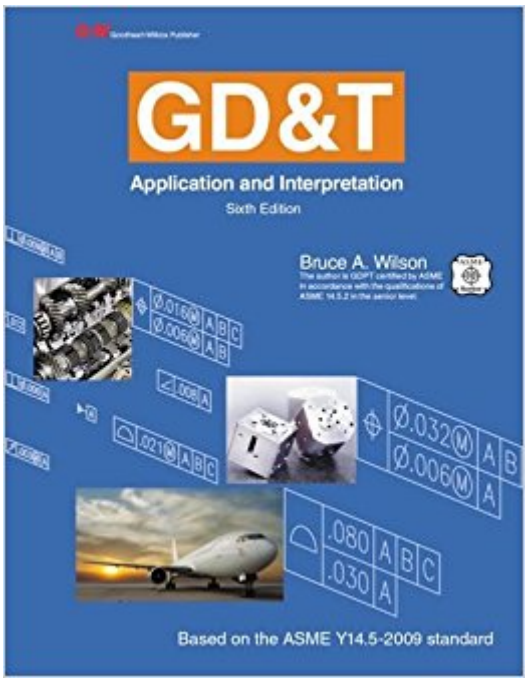
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GD&T: Application And Interpretation



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Synopsis

GD&T: Application and Interpretation, based on the ASME Y14.5-2009 Dimensioning and Tolerancing standard, is targeted to programs that require a study of geometric dimensioning and tolerancing as related to design, manufacturing, or inspection. This highly illustrated text contains topics ranging from the fundamentals of dimensioning to the extended principles of tolerance application and interpretation. Tolerance application and interpretation explanations are included for all fo the categories of tolerances in the ASME Y14.5 standard. GD&T: Application & Interpretation covers practical applications of GD&T and the benefits of using GD&T in drawing documentation. Ã Â Illustrations are used extensively to clarify explanations. Color is used in illustrations to separate explanation data from the main portion of the figures. Color is also used to highlight instructional information such as tolerance placement requirements and tolerance one boundaries. Ã Â Provides in-depth explanations of the practices presented in the ASME Y14.5 standard. Includes hundreds of figures to illustrate ASME Y14.5 practices. Pro Tip, Note, Standards Advisory, and History Brief features highlight critical, difficult-to-understand, and historical topics. Review questions at the ends of chapters reinforce key concepts. Application problems at the ends of chapters provide activities for making tolerance calculations, dimensioning drawings, and adding tolerancing requirements to drawings.

Book Information

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Customer Reviews

Bruce A. Wilson has an international reputation as a leader in Dimensional Management and

Geometric Dimensioning and Tolerancing (GDandT). He is certified by the American Society of Mechanical Engineers (ASME) as a Senior Level Geometric Dimensioning and Tolerancing Professional. He has morethan 20 years participation in ASME subcommittee Y14.5 standards development, and for more than 14 years served as the leader of the positional tolerances section of the standard.His consulting experience includes teaching GDandT in Europe and the United States. He has industrial and academic experiences that provide the expertise and practical knowledge necessary to write a dimensioning and tolerancing text that is technically correct and applicable to today's industrialneeds.Industrial experience includes responsibilities ranging from design engineer to program manager and industrial consultant. He is recognized as a Technical Fellow in The Boeing Company. Design engineering experience includes mechanical, precision mechanisms, electromechanical, optics packaging,electronics packaging, pneumatics, and aircraft structures. Experience has taken place in companies ranging from 20 to 150,000 employees.Extensive design experience has provided a thorough exposure to dimensioning and tolerancing requirements as they apply to various applications. He is an industrial leader in the discipline of dimensional management. He has led teams to establish product requirements, complete three dimensionalvariation analysis, apply tolerances to detail parts and assemblies, communicate requirements to production, and implement quality assurance measures related to dimensional variation. His variation analyses and assembly concepts have resulted in product cost savings greater than 50% and eliminationof assembly tooling costs for major aircraft structure. The processes he explored are now implemented widely. Mr. Wilson is an industrial leader and has multiple United States patents for calculation methods used to assess variation effects.Mr. Wilson has contributed to the development of national and international standards since 1986 through his participation and membership on the ASME Y14.5 subcommittee. He has served as a member of the ASME Y14, Y14.1, Y14.2, Y14.3, and Y14.5 subcommittees. He has participated in United Statestechnical advisory groups for ISO dimensioning standards.Training and consulting experience includes curriculum development, teaching, management of training programs and instructor development. Areas of concentration include Dimensioning and Tolerancing for engineering and manufacturing, Computer-Aided Design, Dimensional Management, and New DesignerTraining. Training programs have been taught to design engineers, manufacturing engineers, industrial engineers, machinists, inspectors, supplier quality managers, and managers.

No answers within

This textbook covers all Geometric Dimensioning & Tolerancing applications very well.The textbook questions are easy to read and understand.Fast shipment and packed well.

This book is a well written text for those who want to expand their knowledge of GD&T applications. It is concise and easy to understand.

no answer provided for reference...

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