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The satellite dynamics inclination function (English) (Chinese Edition)

By WU LIAN DA . MA JING YUAN . WANG HONG BO

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date: 2012 Pages: 180 Language: English Publisher: Science Press Inclination function is On a kind of special function commonly-used in thesatellite dynamics With the technical development and intensive study theorder of inclination function to be calculated becomes higher and higher.For the high-precision computation of inclination function. this bookletintroduced the available methods. put forward new methods. gave theirFORTRAN program. and studied their stability. This booklet can be used as a reference for scholars of astronomy and earthscience. and can be also used as a textbook of the graduates.Contents: Preface1 Introduction1.1 Introduction of inclination function1.2 Other definitionsofIncFun1.3 Requirements of satellite dynamics for lncFun1.3.1 Normalized lncFun and its derivatives1.3.2 Kernel oflncFun1.3.3 Calculating order and storage of lncFun1.4 About this book2 Expressions of lncFun and its derivative2.1 Frequentlyused notations oflncFun2.1.1 Normalized lncFun'2 .1.2 Quasinormalized IncFun2.1.3 Kernel of lncFun2.1.4 Gooding's notation2.1.5 Emeljanov's notation2.2 Series expressions oflncFun2.2.1 Single summation expression2.2.2 Dual summation expression2.2.3 Triple summation expression2.3 Definite integral expression oflncFun2.4 Jacobi polynomial expression oflncFun2.5 Hypergeometric series expression oflncFun2.5.1 Expressions in three areas2.5.2 Expression suited to areas A and B2.5.3 Unified

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