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	 4.3.2 Matrix models; 4.3.3 Diameter-class models 4.3.4 Cohort models4.4 Summary; 5 Tree-level models; 5.1 Introduction; 5.2 Single-tree distance-dependent models; 5.2.1 Example models; 5.3 Tree-list distance-independent models; 5.3.1 Example models; 5.4 Summary; 6 Components of tree-list models; 6.1 Introduction; 6.2 Diameter increment; 6.2.1 Potential diameter increment equations with multiplicative modifiers; 6.2.2 Realized diameter increment equations; 6.3 Height increment; 6.3.1 Potential height increment equations; 6.4 Crown recession 6.4.1 Individual-tree crown recession models6.4.2 Branch-level crown recession models; 6.5 Summary; 7 Individual-tree static equations; 7.1 Introduction; 7.2 Total height; 7.3 Crown length; 7.4 Crown width and profile; 7.5 Stem volume and taper; 7.6 Biomass; 7.7 Use of static equations to predict missing values; 7.8 Summary; 8 Mortality; 8.1 Introduction; 8.2 Stand-level mortality; 8.3 Individual-tree-level mortality; 8.4 Mechanistic models of mortality; 8.5 Development and application of mortality equations; 8.6 Summary; 9 Seeding, regeneration, and recruitment; 9.1 Introduction; 9.2.3 Seed dispersal; 9.2.4 Seed germination; 9.3 Regeneration; 9.4 Recruitment; 9.4.1 Static; 9.4.2 Dynamic; 9.5 Summary; 10 Linking growth models of different resolutions; 10.1 Introduction; 10.2 Linked stand- and size- class models; 10.2.1 Parameter recovery; 10.2.2 Modified stand table projection; 10.3 Linked stand- and tree-level models; 10.3.1
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Sommario/riassunto	"Completely updated and expanded new edition of this widely cited book, Modelling Forest Growth and Yield, 2nd Edition synthesizes current scientific literature, provides insights in how models are constructed, gives suggestions for future developments, and outlines keys for successful implementation of models. The book describes current modeling approaches for predicting forest growth and yield and explores the components that comprise the various modeling approaches. It provides the reader with the tools for evaluating and calibrating growth and yield models and outlines the steps necessary for developing a forest growth and yield model"