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| Autore | Silvester Frederick D. |
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| Collana | Pergamon Series of Monographs on Furniture and Timber ; ; Volume 8 |
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| Nota di contenuto | Front Cover; Timber: Its Mechanical Properties and Factors Affecting its Structural Use; Copyright Page; Table of Contents; Foreword; Author's Preface; Acknowledgements; List of Illustrations; Introduction; CHAPTER 1.Growth of the Tree; CHAPTER 2.Structure of Wood; CHAPTER 3. Fundamental Properties; CHAPTER 4.Factors Affecting Strength; HYGROSCOPICITY; DENSITY; RATE OF GROWTH; REACTION WOOD; INTERLOCKED GRAIN; WAVY GRAIN; WILD GRAIN; GRAIN DISTURBANCE; KNOTS; PITCH POCKETS; INGROWN BARK; SHAKES, CHECKS AND SPLITS; BRITTLEHEART; THUNDER SHAKES, FELLING SHAKES AND CROSS-BREAKS CASEHARDENING, HONEYCOMBING AND COLLAPSEMECHANICAL DAMAGE; DECAY; SAP STAIN; INSECT ATTACK; PRESERVATIVE TREATMENT; TEMPERATURE; FATIGUE; CREEP; CHAPTER 5.Structural Grading; GRADING PROCEDURE; CHAPTER 6.Seasoning; MOISTURE CONTENT; CHAPTER 7.Strength Properties; TENSILE STRENGTH; COMPRESSIVE STRENGTH; SHEARING STRENGTH; IMPACT RESISTANCE; RESISTANCE TO CLEAVAGE; HARDNESS; CHAPTER 8.Assessing Strength Properties; CHAPTER 9.Testing for Strength; References; Index |
| Sommario/riassunto | Pergamon Series of Monographs on Furniture and Timber, Volume 8: Timber: Its Mechanical Properties and Factors Affecting its Structural Use focuses on the mechanical and technical properties of timber, including how a tree grows and develops. This book discusses the growth of the tree, structure of wood, fundamental properties, factors |

affecting strength, structural grading, and seasoning. The strength properties, assessing strength properties, and testing for strength are also covered. The strength of wood varies almost with every species and factors affecting this in relation to working stre
