Bending Beams Made of Cross Laminated Timber with Load in Board Plane

https://research.thinkwood.com/en/permalink/catalogue1143

Author:	Marcus Flaig
Organization:	Karlsruher Institut für Technologie
Year of Publication:	2013
Country of Publication:	Germany
Format:	Thesis
Material:	CLT (Cross-Laminated Timber)
Application:	Beams
Topic:	Mechanical Properties
Keywords:	bending resistance Shear Load Capacity Deformations
Language:	German
Research Status:	Complete
Online Access:	Free

Resource Link

http://doi.org/10.5445/KSP/1000035587

Computer-Aided Methods for the Pragmatic Assessment of the Bearing Resistance of Glued Laminated Timber: Summary of Exemplary Simulation Studies

https://research.thinkwood.com/en/permalink/catalogue1147

Author:	Matthias Frese
Organization:	Karlsruher Institut für Technologie
Publisher:	KIT Scientific Publishing
Year of Publication:	2016
Country of Publication:	Germany
Format:	Report
Material:	Glulam (Glue-Laminated Timber)
Application:	General Application
Topic:	Mechanical Properties
Keywords:	Bending Tests Tension Tests Compression Tests Computer Simulations
Language:	German
Research Status:	Complete
ISBN:	978-3-7315-0493-1

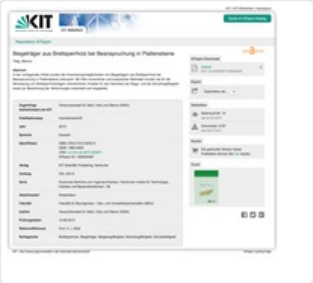
Abstract:

This book contains experiences and results of computer simulations in the field of research on glued laminated timber. Literature and references to the corresponding methodical approach are given to facilitate the access to the elementary basics. It also contains constructive explanations and critical annotations on modelling glued laminated timber for bending, tension and compression tests. Finally, the relevance of the simulation results for practical issues is discussed.

Online Access: Free

Resource Link

http://dx.doi.org/10.5445/KSP/1000052710



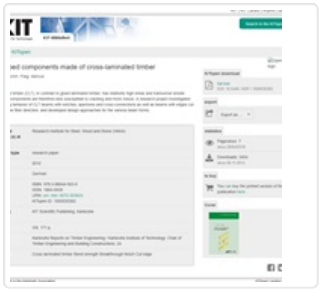
Cross-Laminated Timber Under In-Plane Bending Stress

https://research.thinkwood.com/en/permalink/catalogue973

Author:	Marcus Flaig
Organization:	Karlsruher Institut für Technologie
Year of Publication:	2013
Country of Publication:	Germany
Format:	Thesis
Material:	CLT (Cross-Laminated Timber)
Application:	General Application
Topic:	Mechanical Properties
Keywords:	Deformation Shear Load Capacity bending resistance
Language:	German
Research Status:	Complete
Online Access:	Free

Resource Link

http://dx.doi.org/10.5445/KSP/1000035587



Rod-Shaped Components Made of Cross-Laminated Timber

https://research.thinkwood.com/en/permalink/catalogue1174

Author:	Marcus Flaig
	Hans Joachim Blaß
Organization:	Karlsruher Institut für Technologie
Publisher:	KIT Scientific Publishing
Year of Publication:	2012
Country of Publication:	Germany
Format:	Report
Material:	CLT (Cross-Laminated Timber)
Application:	Beams
Topic:	Mechanical Properties
Keywords:	Load-Bearing Behavior
	Notches
	Holes
Language:	German
Research Status:	Complete
Online Access:	Free

Resource Link

http://doi.org/10.5445/KSP/1000030362

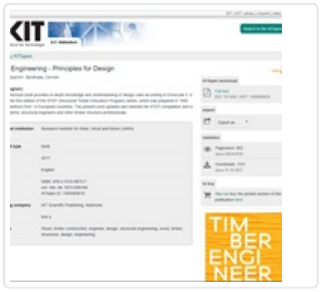
Static and Dynamic Behavior of Stiffening Shear Walls in Dowel-Laminated Timber Construction

https://research.thinkwood.com/en/permalink/catalogue932

Author:	Carmen Sandhaas
	Hans Joachim Blaß
Organization:	Karlsruher Institut für Technologie
Year of Publication:	2016
Country of Publication:	Germany
Format:	Report
Material:	DLT (Dowel Laminated Timber)
Application:	Shear Walls
	Wood Building Systems
Topic:	Seismic
	Connections
Keywords:	Joints
	Cyclic Tests
	Q Factor
	Dynamic Building Model
Language:	German
Research Status:	Complete
Online Access:	Free

Resource Link

http://dx.doi.org/10.5445/KSP/1000051046



Timber Engineering - Principles for Design

https://research.thinkwood.com/en/permalink/catalogue1922

Author:	Hans Joachim Blaß
	Carmen Sandhaas
Organization:	Karlsruher Institut für Technologie
Publisher:	KIT Scientific Publishing
Year of Publication:	2017
Country of Publication:	Germany
Format:	Book
Material:	CLT (Cross-Laminated Timber)
	Timber-Concrete Composite
	Timber (unspecified)
Application:	General Application
Topic:	Design and Systems
	Serviceability
	Mechanical Properties
Keywords:	Eurocode 5
	European Standards
	Structural Design
Language:	English
Research Status:	Complete
Notes:	DOI: 10.5445/KSP/1000069616
ISBN:	978-3-7315-0673-7

Abstract:

This comprehensive book provides in-depth knowledge and understanding of design rules according to Eurocode 5. It is based on the first edition of the STEP (Structural Timber Education Programme) series, which was prepared in 1995 by about 50 authors from 14 European countries. The present work updates and extends the STEP compilation and is aimed at students, structural engineers and other timber structure professionals.

Online Access:	Free

Resource Link

https://publikationen.bibliothek.kit.edu/1000069616