Working Group 2 Eindhoven presentations

Vulnerability of components

- Discussion of aspects related to:

	number
o Stresses perpendicular to the grain	2
o Moisture induced stresses	1
o Ductility	2
o Durability	1
o Shear stresses	
o Load duration	1
o others	3

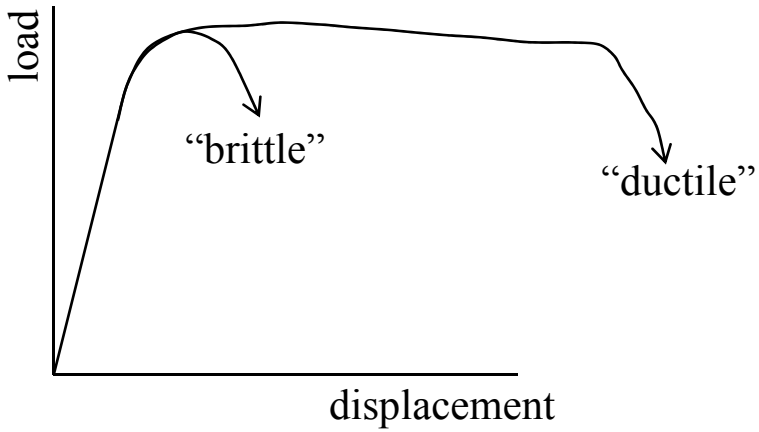
Working Group II topics in the future: related to malfunctions and to robustness

What is “most” vulnerable regarding failure EXCLUDING BAD DESIGN ?

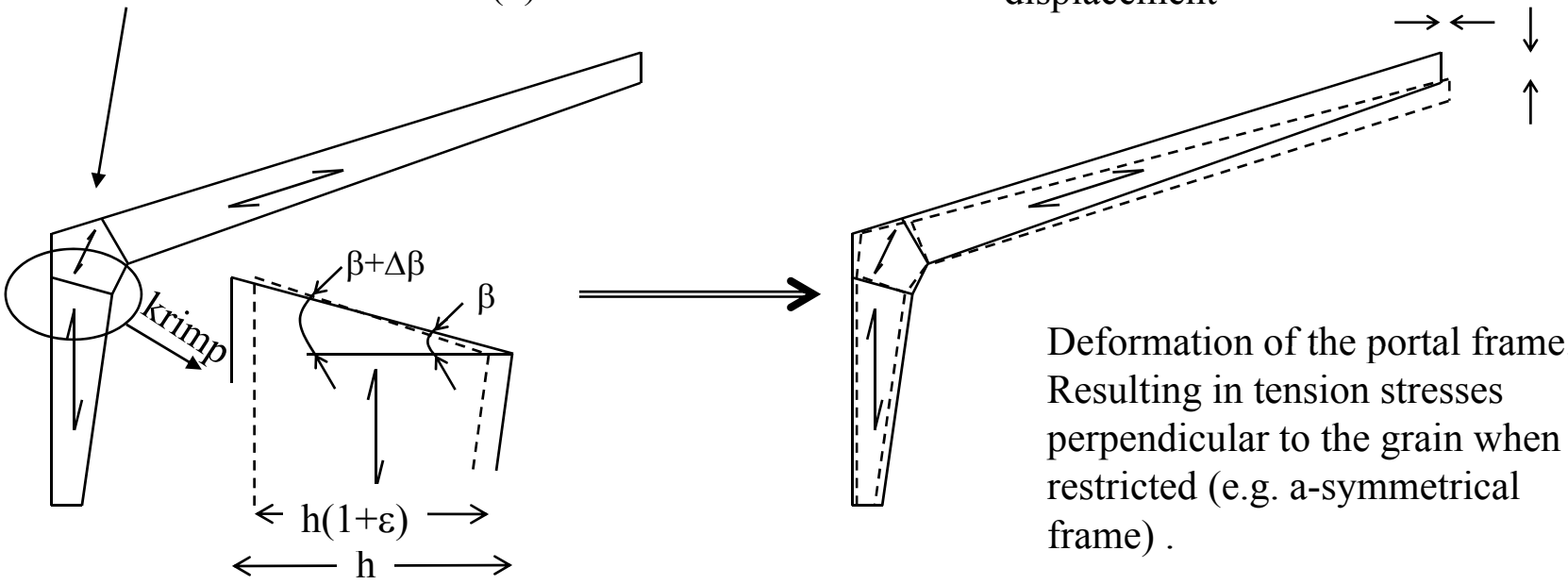
- Joint ductility
- Serviceability (stiffness and vibration)?
- Moisture induced stresses
- Long term behaviour (load duration)
- Fire related to connections
- Glulam modelling (excluding quality control of the grading process)

- Durability aspects?

Working Group II topics for this meeting (Helsinki)



- Joint ductility (1)
- Moisture induced stresses (3)



Deformation of the portal frame. Resulting in tension stresses perpendicular to the grain when restricted (e.g. a-symmetrical frame) .

Working Group II topics for this meeting (Helsinki)

• Joint ductility (1)	Hans Blaβ:	Ductility Aspects for Joints
• Moisture induced stresses (3)	Martin Häglund:	On moisture induced stresses in timber structural elements
	Alpo Ranta-Manus	Moisture induced stresses in glulam components
	Stefania Fortino Florian Mirianon Tomi Toratti	A 3 D moisture-stress FEM analysis of timber structures