



LITERATURE + EVIDENCE

LingoScholar

Turn sources into a study.

A connected reading room for timber research.

01 FROM ORIGINAL SOURCE TO RESEARCH RECORD

SOURCE / 001

Timber structures

Working evidence

Reviewed excerpt

Exact quotation + source location

RETAIN THE ORIGINAL

Specimen

Identity + geometry

Observable

Meaning + unit

Study revision

Inputs + retained outputs

WORKFLOW SCHEMATIC / SOURCE - EXCERPT - STUDY

DISCOVER

Explore the timber literature by material, topic and method.

CONNECT

Link evidence to specimens, physical meanings and study revisions.

REVIEW

Keep excerpts, source locations and researcher decisions together.

PRESERVE

Carry original sources and retained records in portable study exports.

Catalogue coverage is growing, not exhaustive. Reviewed evidence and numerical records retain their stated research limits.

Your research perspective is welcome.

EXPLORE THE PROGRAMME

lingoscholar.com

Invited researchers: sign in with your individual email and password.





TIMBER MECHANICS + RESEARCH

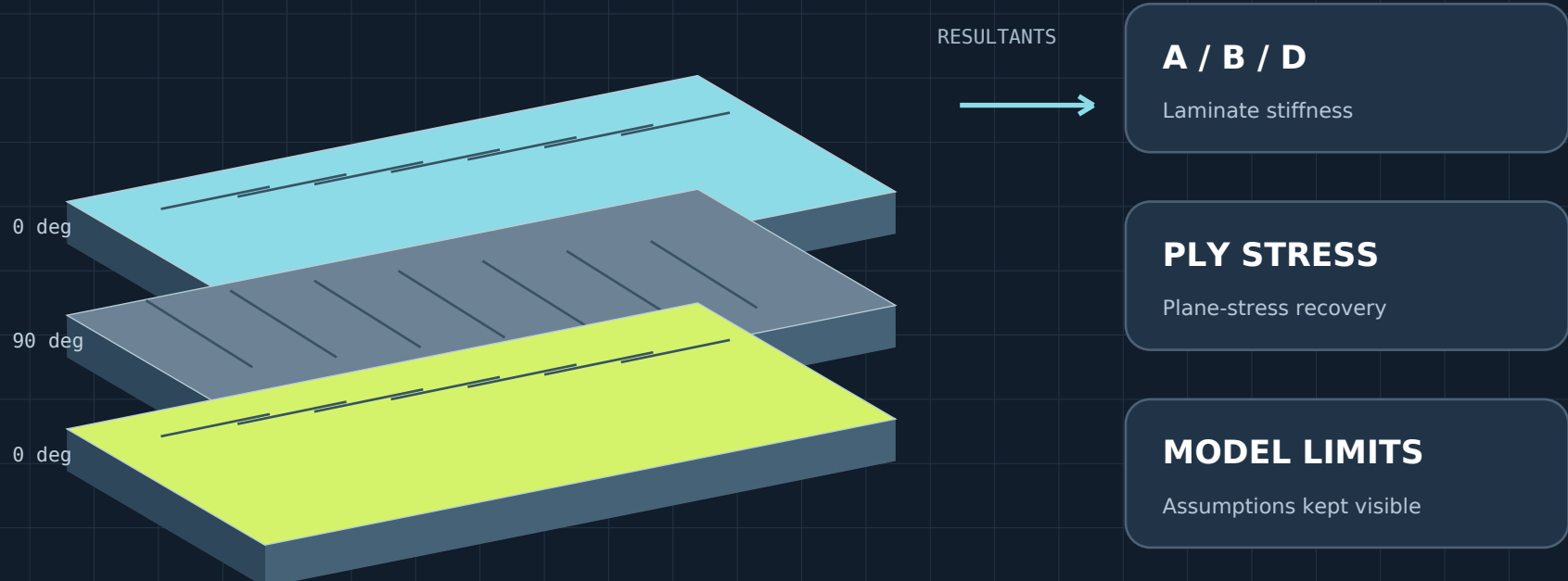
LignoScope

Look inside the response.

Inspectable mechanics for focused timber investigations.

02

SEE THE LAYERS. INSPECT THE RESPONSE.



ILLUSTRATIVE LAMINATE REFERENCE / NO MEASURED RESULTS

LAYERED REFERENCES

Classical laminate A/B/D response and plane-stress ply recovery.

STRUCTURAL MODELS

Assembled linear 2D frame reference calculations.

COMPONENT HISTORY

Kinematic-hardening histories and scalar dynamic step-refinement checks.

UNCERTAINTY

Seeded correlated propagation through a cantilever reference.

Bounded research references, not a full nonlinear CLT wall or design certification engine. Each method exposes its assumptions.

Your research perspective is welcome.

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LABORATORY RECORDS + MEASUREMENT

LingoAcquire

Keep the signal.
Keep its context.

From recorded samples to reviewable physical readings.

03

PRESERVE THE SIGNAL AND ITS PHYSICAL MEANING

EVENT ALIGNMENT

RAW CHANNEL

CALIBRATED READING

RETAIN RAW BYTES

REVIEW DERIVED VALUES

REVIEW CONTEXT

- **Channel**
Physical observable
- **Calibration**
Version + uncertainty
- **Clock**
Measured anchors
- **Continuity**
Gaps + checkpoints

SIGNAL REVIEW SCHEMATIC / NO ACQUIRED MEASUREMENTS

MAP THE MEASUREMENT

Review channel identity, units, calibration and uncertainty.

ALIGN THE RECORD

Fit measured clock anchors and inspect event timing.

CHECK CONTINUITY

Verify original chunks, sample gaps and recoverable checkpoints.

RETAIN THE SESSION

Keep supervised test chronology alongside the exact source.

Recorded-data review tools. Physical acquisition and timing require equipment commissioning; full-field stereo-DIC is not established.

Your research perspective is welcome.

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MODEL EXCHANGE + SOLVER COMPARISON

LingoBridge

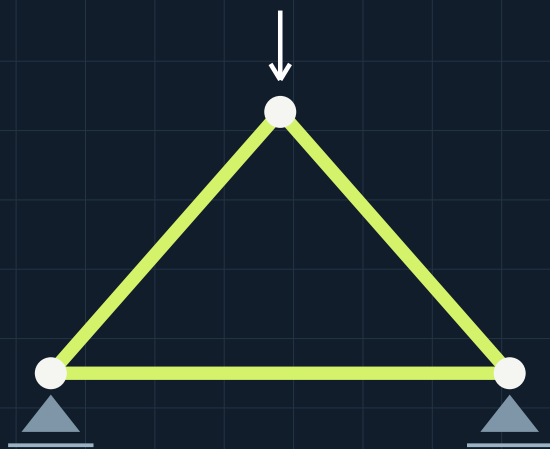
Same model. Clear comparison.

Make agreement and disagreement inspectable.

04

COMPARE THE SAME DECLARED PHYSICAL MODEL

REFERENCE

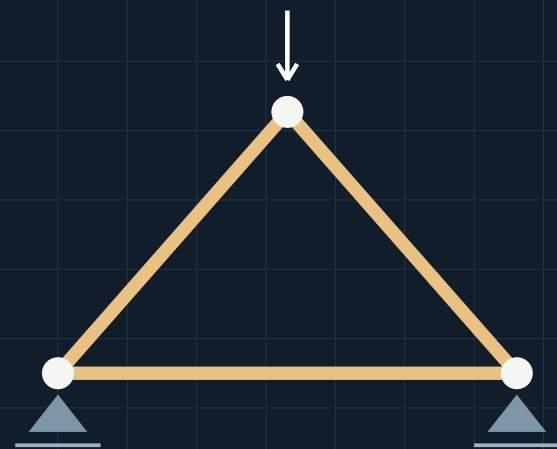


Local calculation

EXACT MODEL

UNITS + IDENTITIES

EXTERNAL



Executed solver output

DISPLACEMENT

REACTION

AXIAL FORCE

ENERGY

ELASTIC 2D AXIAL-TRUSS SCHEMATIC / NOT A PHYSICAL TEST

FREEZE THE MODEL

Retain explicit model identity, units, loads and restraints.

EXECUTE + EXCHANGE

Prepare supported OpenSees models and retain actual run evidence.

COMPARE THE RESPONSE

Inspect displacement, reaction, axial-force and elastic-energy differences.

KEEP THE RECEIPT

Preserve pass, fail and rejected-case comparison reports.

V22 execution references cover elastic 2D axial bars and trusses. General nonlinear exchange and licensed Abaqus commissioning remain open.

Your research perspective is welcome.

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