



msd

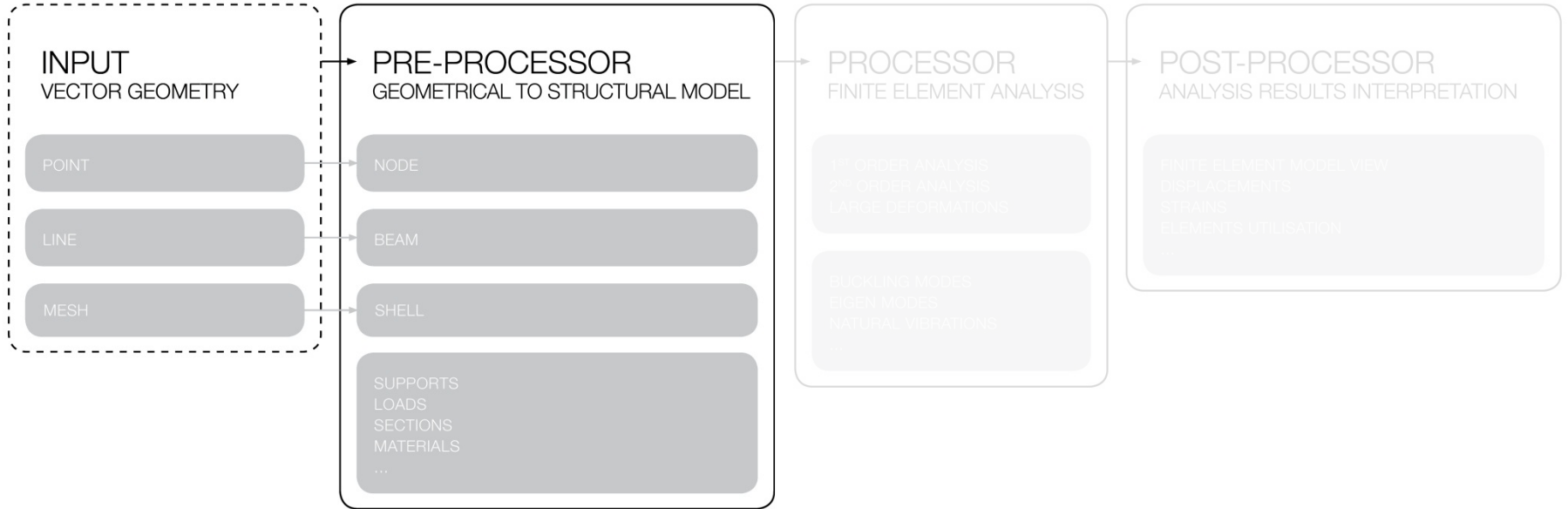
**Melbourne
School of Design**

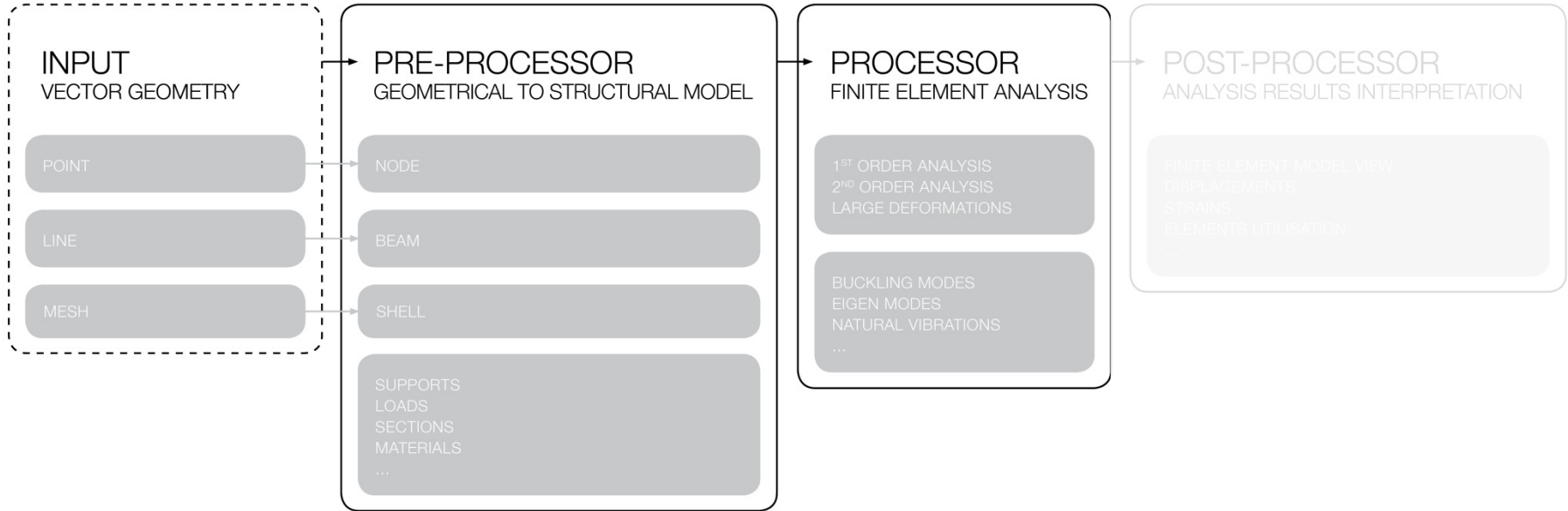
FACULTY OF
ARCHITECTURE,
BUILDING AND
PLANNING

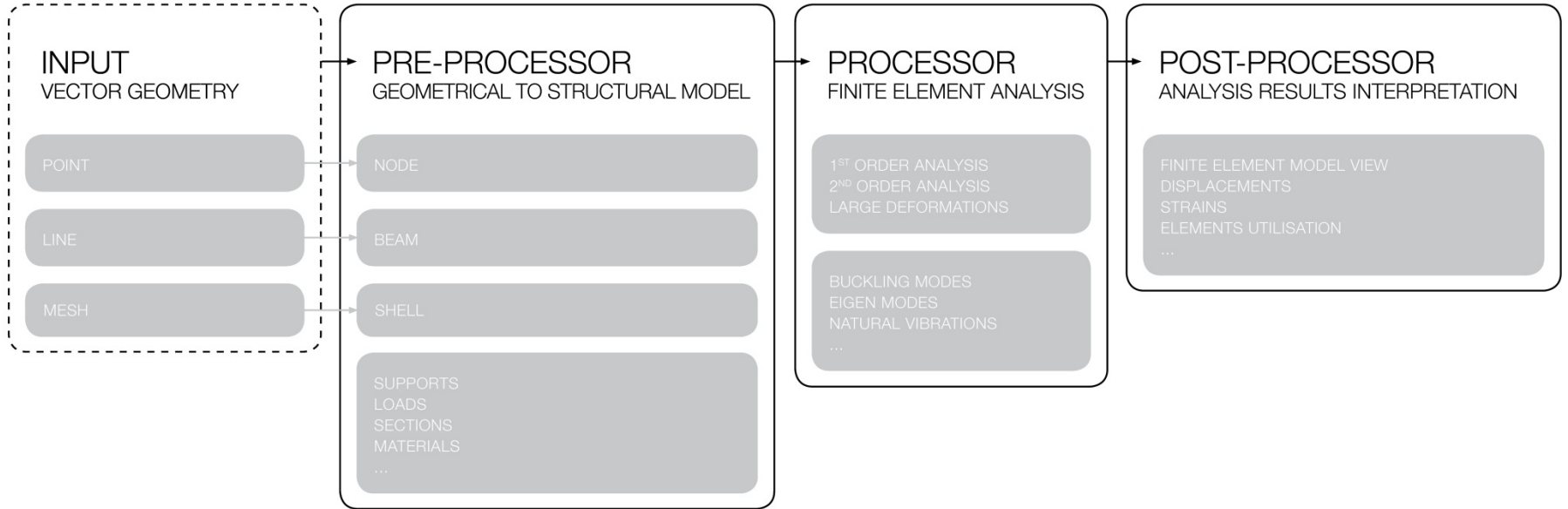
www.msd.unimelb.edu.au

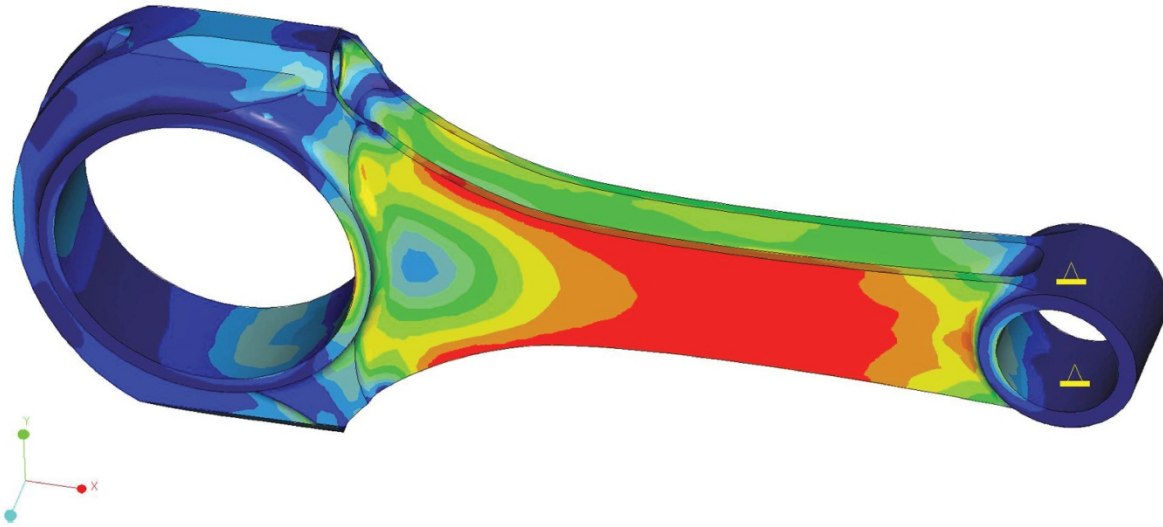
HOW VIRTUAL BECOMES REAL

Perform a Finite Element structural analysis
with Karamba(*G_01.1*)









STRESS
[kN/m²]

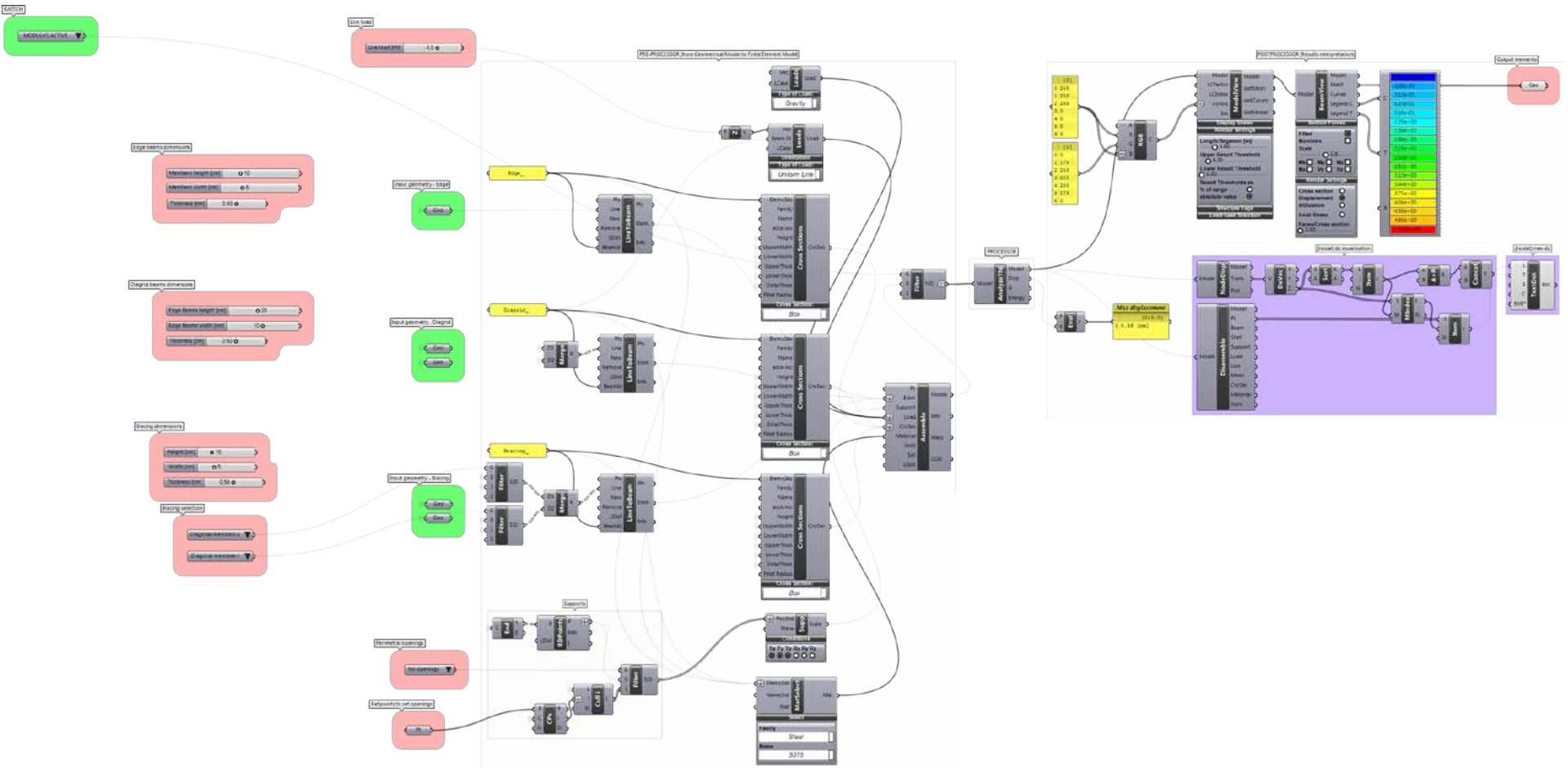
MAX



MIN

STANDARD COLOURS
[R] [G] [B]

255	0	0
255	175	0
255	255	0
0	255	0
0	255	255
0	175	255
0	0	255



MAIN

MANIPULATE

MANIPULATE

Layer 1 geometry parameters

Layer 1 geometry parameters

- Subdivisions depth (Z) → 10
- Subdivisions width (X) → 10
- Subdivisions height (Y) → 10

Flow geometry layer

Layer 2 geometry parameters

Layer 2 geometry parameters

- Layer 2 Subdivisions depth (Z) → 10
- Layer 2 Subdivisions width (X) → 10
- Subdivisions height (Y) → 10

Flow geometry depth

Layer 3 geometry parameters

Layer 3 geometry parameters

- Subdivisions depth (Z) → 10
- Subdivisions width (X) → 10
- Subdivisions height (Y) → 10

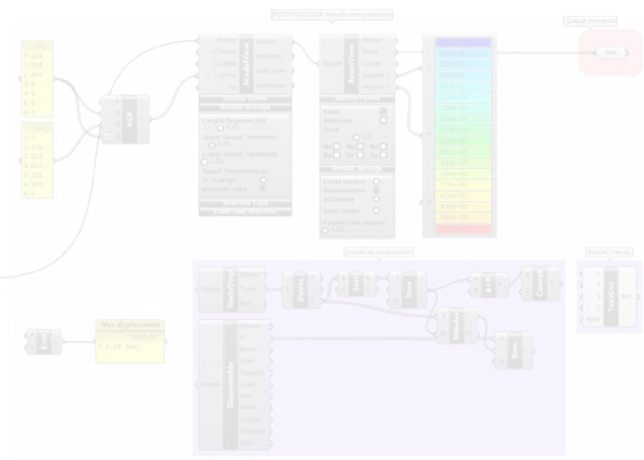
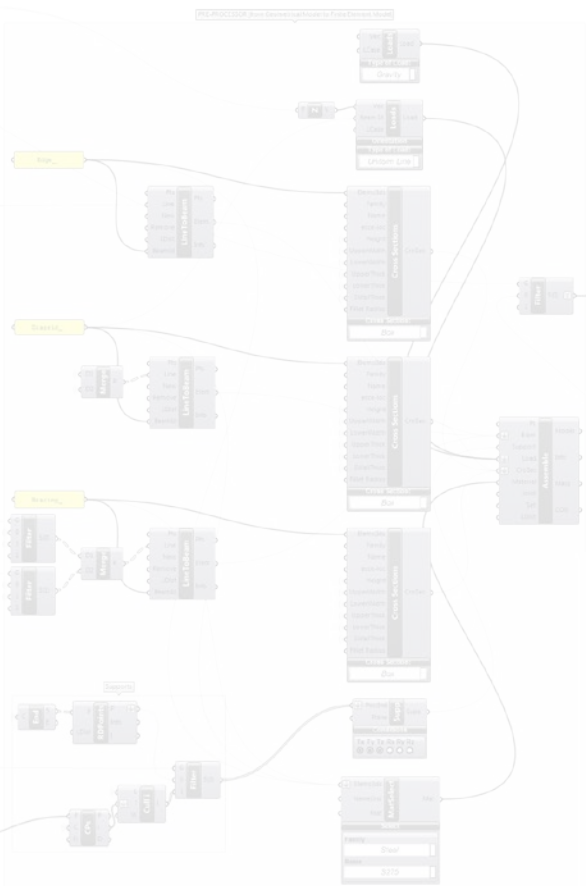
Flow geometry frame

Flow geometry

- Subdivisions depth (Z) → 10
- Subdivisions width (X) → 10

Flow geometry

Flow geometry



MAIN

MAIN ACTIVITY

LINE GENERATOR

Line Geometry Generator

Line Geometry Generator

- Line Geometry Length: 10.0
- Line Geometry Width: 10.0
- Line Geometry Count: 1.000

Line Geometry Generator

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- Line Geometry Length: 10.0
- Line Geometry Width: 10.0
- Line Geometry Count: 1.000

Line Geometry: Edge

Line

Line

Line Geometry: Diagonal

Line

Line

Line Geometry: Square

Line

Line

Line Geometry: Circle

Line

Line

PRE-PROCESSOR (From Geometric Model to Finite Element Model)

