

Treatment

T: Essential complexity

O: Tasks on different parts of complex models^[1]

- **Complex task**, on part with **high** essential complexity
- **Simple task**, on part with **low** essential complexity

T: Accidental complexity

O: Tasks on different parts of complex models^[2]

- **Complex task**, on part with **high** accidental complexity
- **Simple task**, on part with **low** accidental complexity

Output

T: Cognitive Load - Biometrics

O: Multimodal measurements

- Subjective measures
- Performance measures
- Physiological measures
- Behavioral measure

H3

H4

^[1] Essential complexity metrics:

- Size, Density
- Partitionability
- Connector interplay
- Cyclicity
- Concurrency

^[2] Accidental complexity metrics:

- Edges style, Crossing edges
- Angles
- Symmetry in blocks
- Flow consistency