On the Relationship of Complexity Metrics With Cognitive Load and Visual Behavior: A Multi-Granular Eye-Tracking Analysis

Appendix: *Measures (metrics applied to models)*

Essential complexity

Models \ Symboles	Size **Size (↘)**	Diameter **Diam (↘)**	Average Conn. **Avg d_c(↘)**	Max Connector **Max d_c (↘)**	Coeff. Conn. **Coeff. Conn. (↘)**	Separability **Π (↗)**	Sequentiality **Ξ (↗)**	Depth **Λ (↘)**	Structuredness **Φ (↗)**	Conn. Hetero. **CH (↘)**	C. F. Complex. **CFC (↘)**	Cyclicity **CYC (↘)**	Token Split **TS (↘)**
model_g3, Simple	23.0000	23.0000	3.0000	3.0000	1.1304	0.5714	0.0769	1.0000	1.0000	0.8113	7.0000	0.1739	1.0000
model_g2, Complex	88.0000	68.0000	3.2500	5.0000	1.2727	0.0698	0.0625	5.0000	0.8523	0.8587	38.0000	0.9545	15.0000

Abbreviations

Average Conn.	*Average Connector*
Coeff. Conn.	*Coefficient Connectivity*
Conn. Hetero.	*Connector Heterogeneity*
C.F. Complex.	*Control Flow Complexity*

Accidental complexity

Models \ Symboles	%simpleEdges **%sE (↗)**	%brokenEdges **%bE (↘)**	%totalCross **%tC (↘)**	%orthogonalSegme **%oS (↗)**	%symmetricalPatte **%sP (↗)**	Consistency flow **M-BP (↗)**
model_g3, Simple	0.6154	0.3846	0.0000	1.0000	1.0000	0.8235
model_g5, Complex	0.5385	0.4615	0.0698	0.8605	0.0000	0.7059