Beyond Process Model Complexity: A Multi-Granular Investigation Across Time and Space Based on Eye-tracking

Appendix: *Measures (metrics applied to models)*

Essential complexity

Models \ Symboles	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
model g4, Composed	104.0000	84.0000	3.1739	4.0000	1.2500	0.0098	0.0231	3.0000	0.9038	0.8365	43.0000	0.7692	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 (↘)	%orthoSegments %oS (↗)	%symPatterns %sP (↗)	Flow consistency 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
model_g6, Composed	0.4815	0.5185	0.1111	0.9451	0.0000	0.6177

Abbreviations:
orthoSegments.: orthogonal Segments
symPatterns.: symmetrical Patterns