Modeling Architectural Qualities

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Our built environment has deeper complexity that is created by people and their use, over the physical configuration. To support early design, this project models experiential characteristics of architectural space such as enclosure, viewfield, directionality, continuity, and dynamicity. The program analyzes floor plan diagrams and shows architectural qualities of the building overlaid on the plan.

Description of the characteristics

**ENCLOSURE**
Enclosure is how open or closed the field of the given position is.

**VIEWFIELD**
Viewfield is a visible area from a viewer’s position. Many inferences can be made by the visible and the invisible.

**DIRECTIONALITY**
Directionality indicates the expected direction of the viewer. The components act as the visual cue.

**CONTINUITY**
Continuity is uninterrupted connection of a physical component that belongs to two rooms, as a physical cue of movement.

**DYNAMICITY**
Dynamicity is the overall configuration that shows changing patterns of characteristics with a certain level of regularity.

This research was supported in part by the National Science Foundation under Grant ITR-0326054.