Quantitative Methods of Architectural Aesthetic Assessment

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Abstract
Architectural Aesthetic assessment is broadly a debating field of discussion based on taste, diverse points of view, and the experience of the observer. The research posits a quantitative aesthetic approach based on quantitative methods of formal architectural aesthetic assessment as a complementary evaluation tool to the common qualitative prevailing approaches. The research presents some measures of quantitative aesthetic assessment, explains, analyzes, and critiques these measures through their application on selected case study buildings. The researched quantitative measures are: Birkhoff's Edited Measure for Architectural Aesthetics, Salingaros Thermodynamic Measure, Levels of scale, and Scale Coherence Factor. The research hypothesizes the usefulness and the variability of these measures by applying them on different buildings covering diverse architectural aesthetic probabilities. The research finally ends with an evaluation of the usefulness and variability of these measures and their application.

Keywords
Aesthetic Assessment, Architectural Aesthetics,