Abduction from Borromini. Generative interpretation of the façade of "Oratorio dei Filippini"
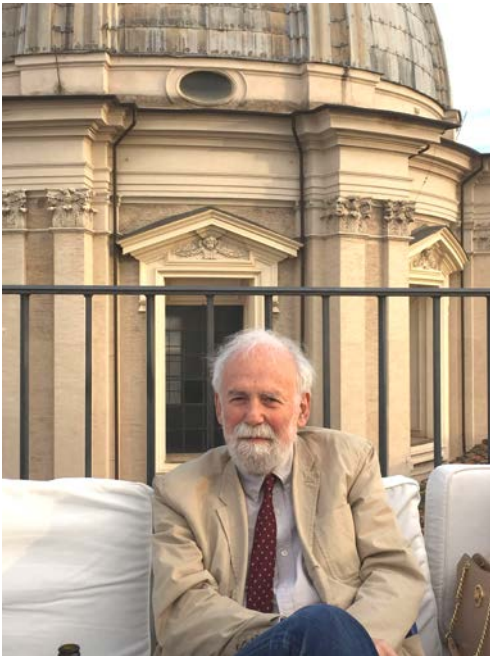
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facades able to generate endless unique results following this interpretation.

Oratorio dei Filippini façade

Abstract

The façade of "Oratorio dei Filippini" by Francesco Borromini is one or the most interesting baroque masterpieces. This year we run the 25th Generative Art conference there, in the Borromini Hall of this building. Following that I tried to perform a generative interpretation of this façade for setting up a s pecies of

My goal was to investigate the distinctive characters of this facade, the logic behind its particular geometry, and the structure of the threedimensional rhythmic sequences created by Borromini. I constructed a topological paradigm that interpreted these characters and the type of relationship

existing between the elements of the facade. Specifically, the relationship between the window planes, the perforations, and the axis of the façade. The interpretation of these relations render explicit the geometric rotations and curvatures that build rhythm starting from the central axis.

The result was a topological paradigm that tends to produce events and relations between events in a way that is recognizable as baroque, as a tendentious reading of Borromini's work but also capable of reflecting an architectural vision that is recognizable in my architectures. No form of Borromini's architecture was reproduced in the generated results, but only the Baroque topological identity, or rather the aspects of this character that reflect my interpretation of Borromini. More, I have added to the topological paradigm other characters that have always been dear to me. They are present in Borromini's work, such as the double bell towers and domes close to the facade, present in Sant'Agnese in Piazza Navona.

Following figures: The generated facades