



This research examines the connection between geometry and space in architecture. It investigates how geometry is used in the design process to create and manipulate space, and how geometry affects the experience of those spaces.

The research compares works by Alvaro Siza Vieira and Francesco Borromini, whose work has a strong geometric presence and a dynamic spatial effect. The thesis examines geometries used in their respective designs, the qualities of spaces being made, and potential connections between the architects and their work through a series of comparative studies. The research is focused on the design process and the spatial effect created when geometry is present in this process. With this in mind, drawing and making become the primary research methods, culminating in a new way of modelling spatial geometries and offering a contemporary way of thinking about the effect of geometry on the experience of a space.