

Concept

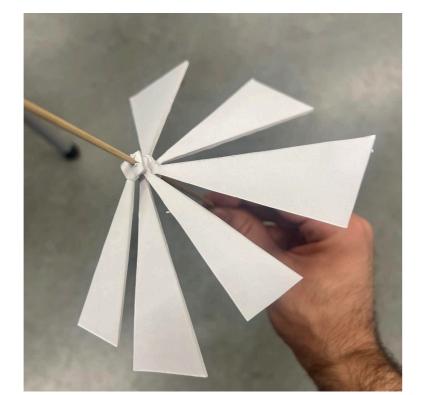
We designed a free speech podium, drawing inspiration from the Fibonacci spiral. Our creation takes form as a spiraling staircase, where each step becomes bigger than the last. The largest and top step serves as the stage.

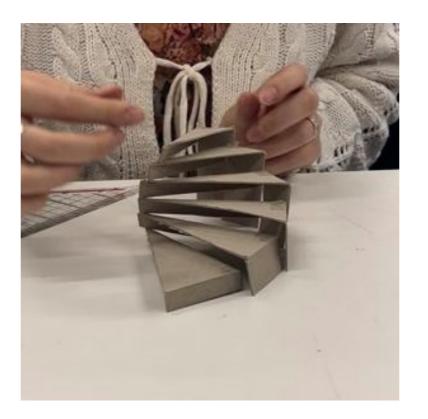
We employed parametric design to determine proportions, using Fibonacci equation, and to ensure transformability. By rotating the steps, we achieve various configurations, such as creating chairs and tables, setting up an exposition display, or forming a bar, and more. The entire structure is demountable, allowing easy transportation.



Evolution















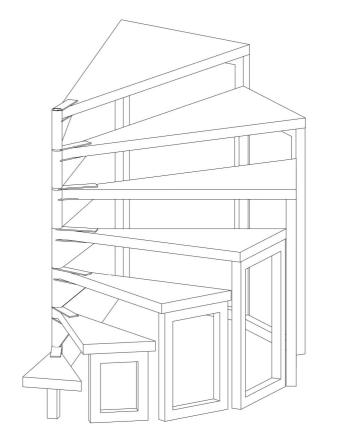


Materials



Hardwood

Dimensions

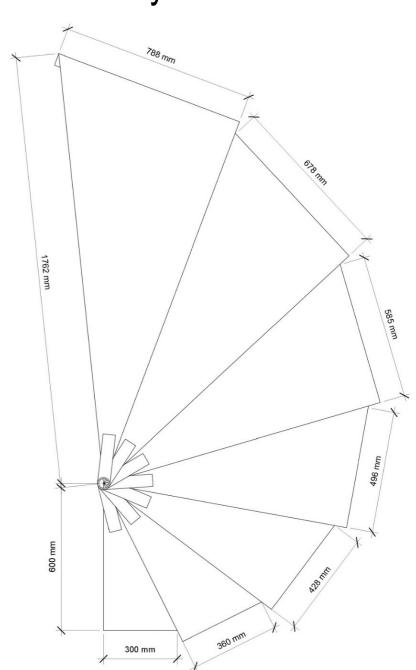




Aluminum

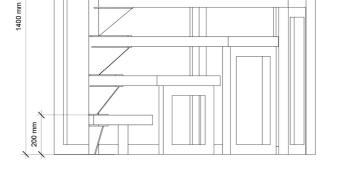


Glyco





Functions and Transformability





Eloïse Collinet, Maaike Eeckhout, Mobin Shams & Navid Yazdani 1Ma Ir-Arch 2023-2024 Parametric Design of Transformable Structures Prof. dr. ir. arch. Niels De Temmerman, ir. arch. Ahmed Soliman, ir. arch. Ellen Leemans