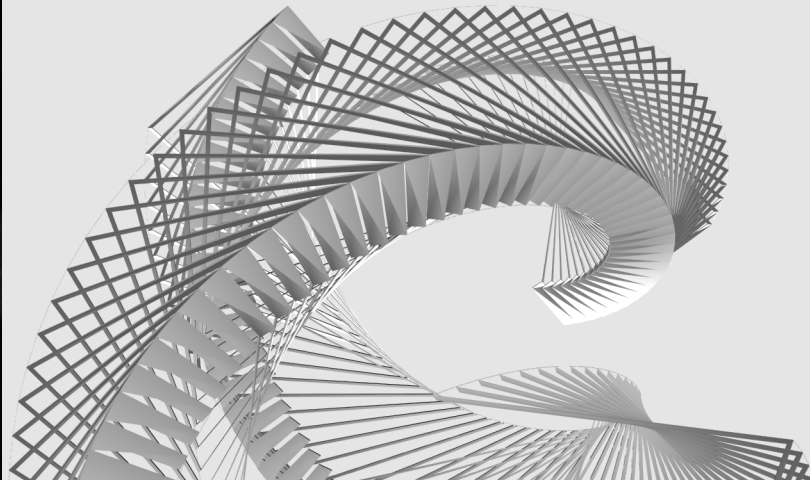
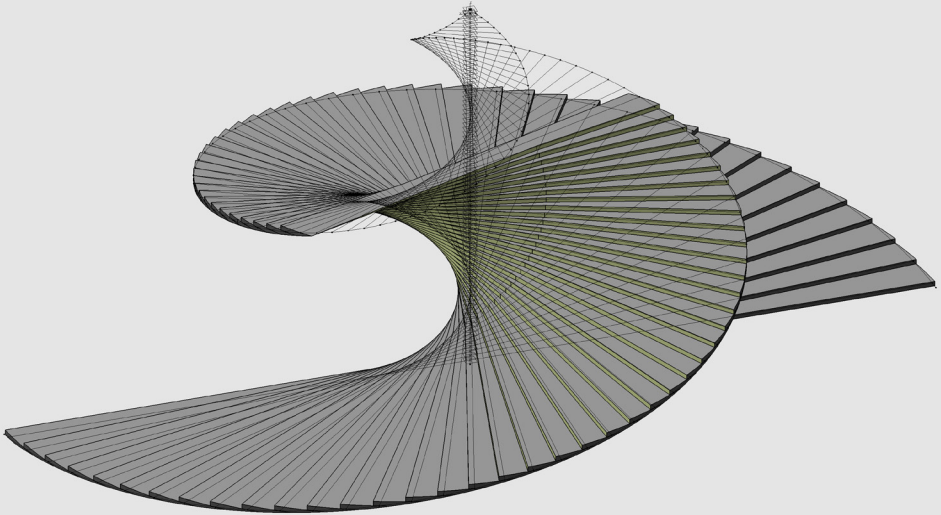


WORKSHOPS D3W YEAR 2 ALGORITHMIC DESIGN



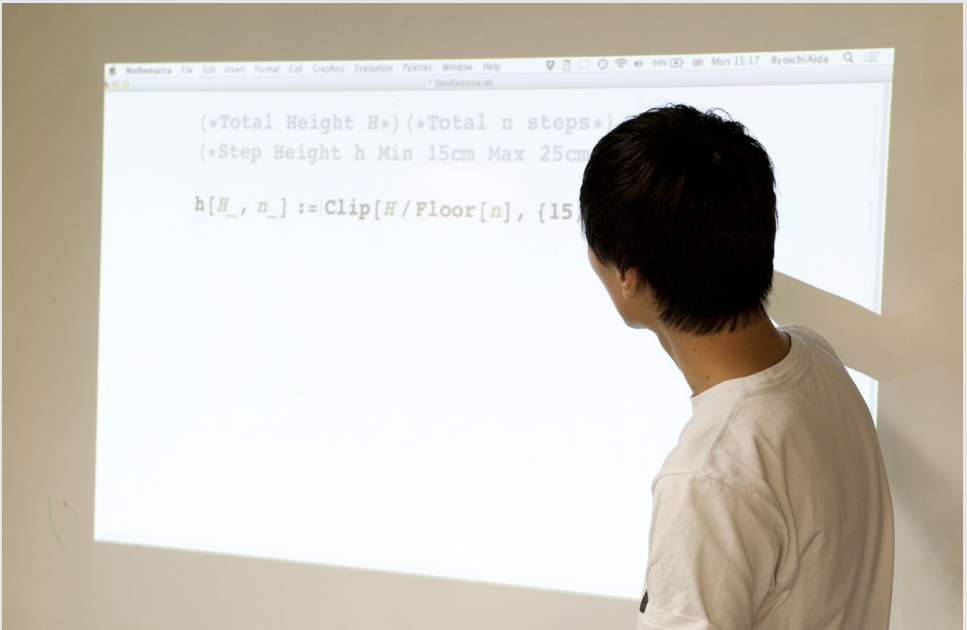
#DDL2

WORKSHOP 1: ALGORITHMIC DESIGN



Staircase sample. Work done in *Digital Project* and *KnowledgeWare* by Tyffanie Bosc and Elena Radeva in 2011.

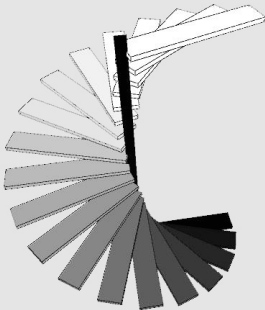
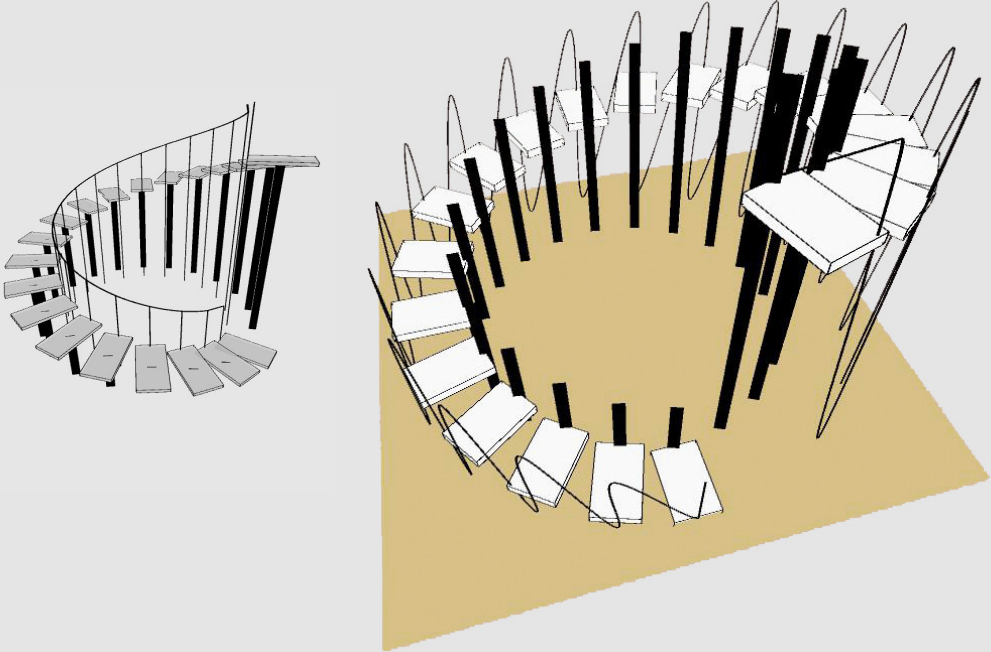
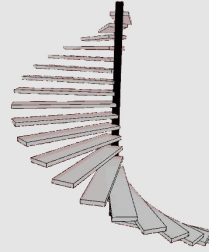
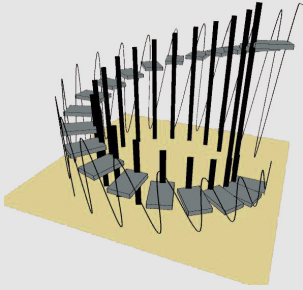
The first workshop *D3W* for the Year 2 students is dedicated to the teaching of design processes through the initiation and development of logical and algorithmic processes. During one week, each workshop, led by a teacher and a tutor or assistant, focusses on teaching the algorithmic conception of structural morphologies. Scripting and programming through provided softwares are then the primordial methods to construct a rational path toward the conception of forms. The common case study to all workshops is the one of the staircase and is declined along the specificities of each teacher leading a workshop. Each group, however, integrates as an initial constraint the application of François Blondel's formula for a fixed height of 3.30 m. Besides the initiations to softwares, scripting and programming languages, the critical topics evoked in practice will be the *Associativity*, *Object Oriented Design*, *Integration of Performances and Structural Morphology*. The final production reflects the understanding of each of those topics.



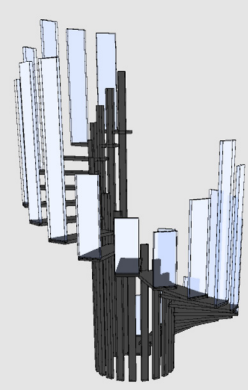
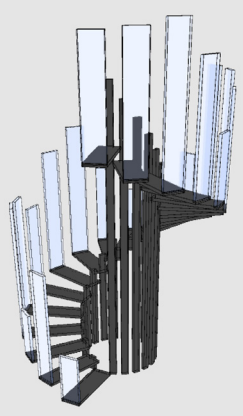
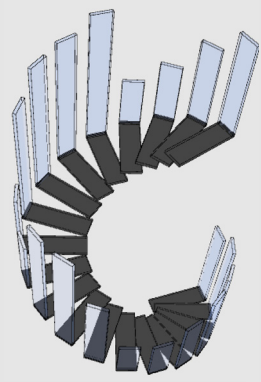
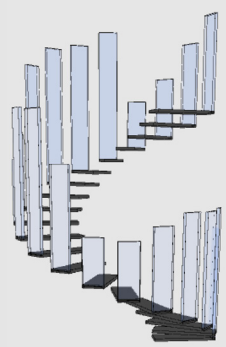
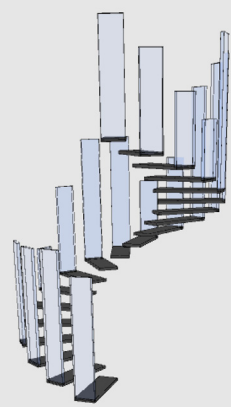
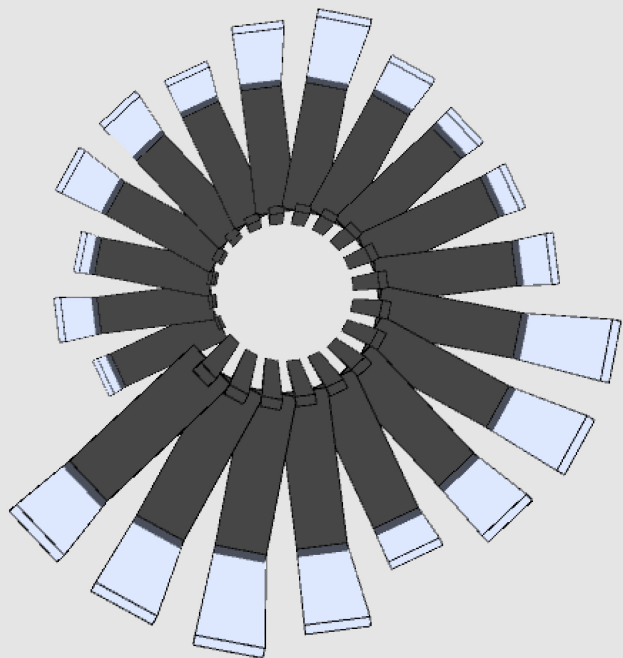
Workshop daily routine. *Mathematica* course.



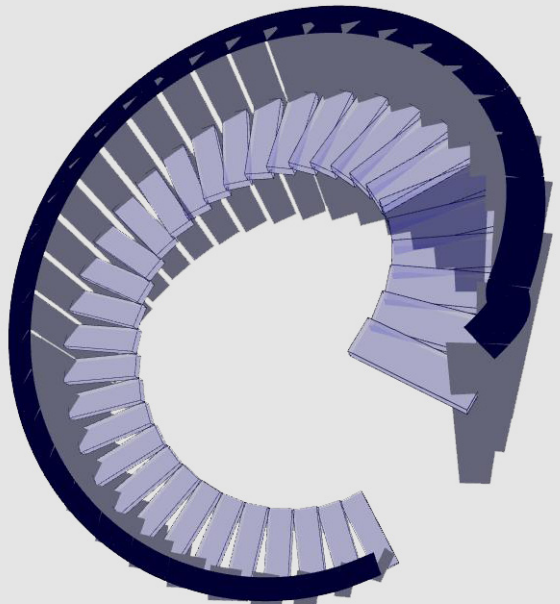
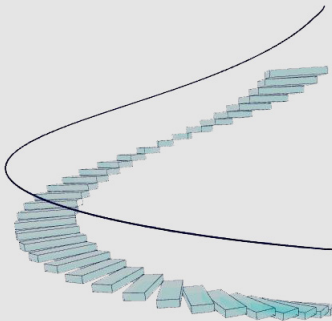
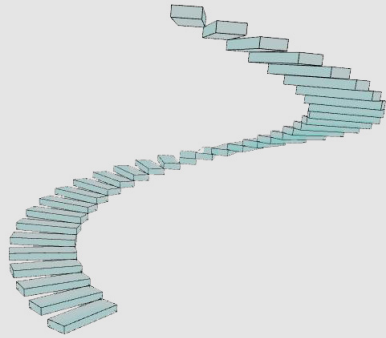
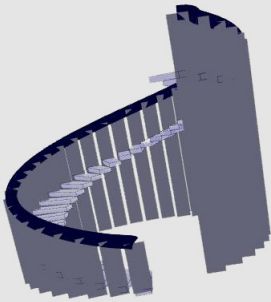
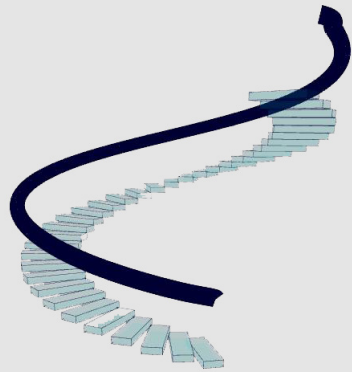
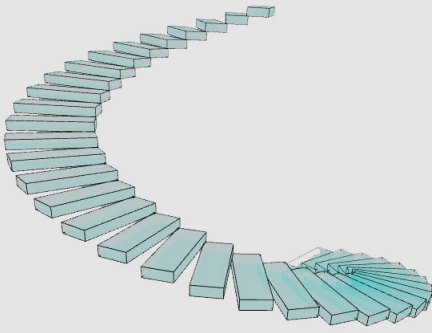
Workshop daily routine. *Processing* course.



Coded in *Processing* by Sarah Andignac, Charlotte Gambotti, Mehdi Mechiche Alami.



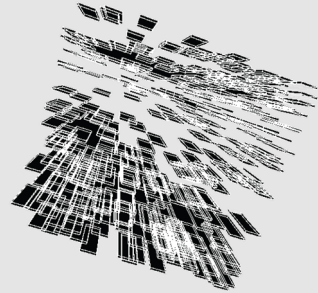
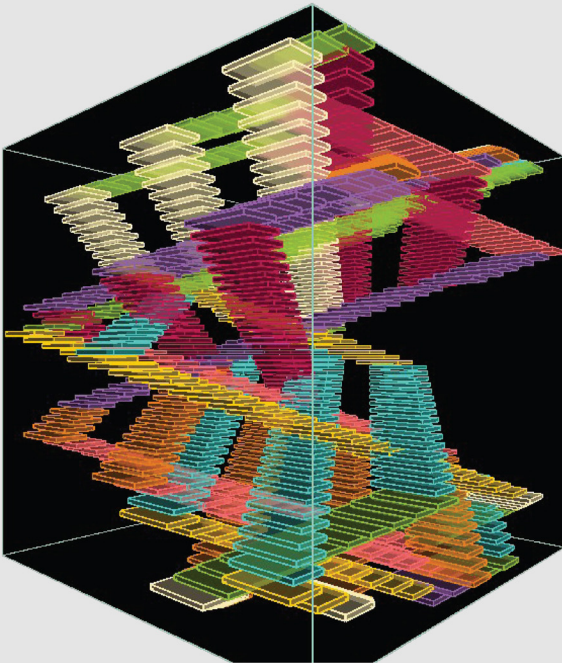
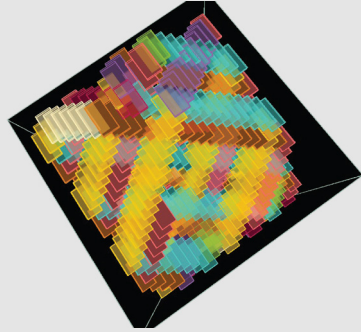
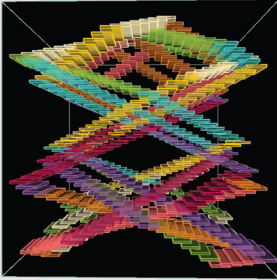
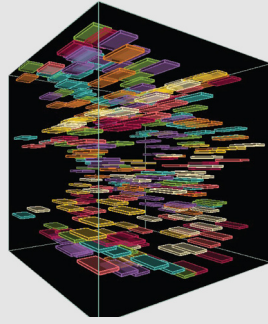
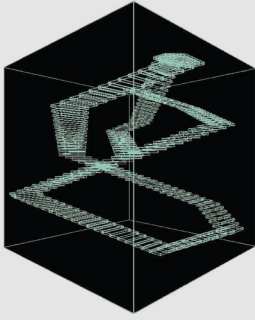
Coded in *Processing* by Aurelien Raymond, Iris Sene.



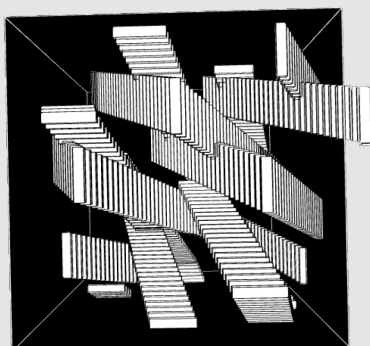
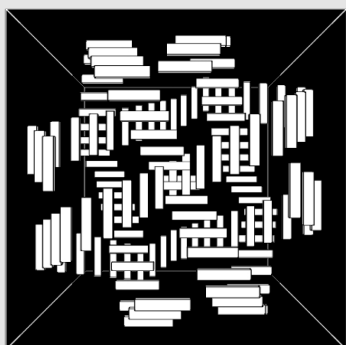
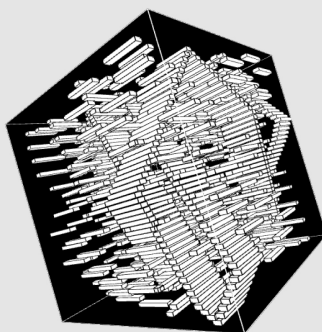
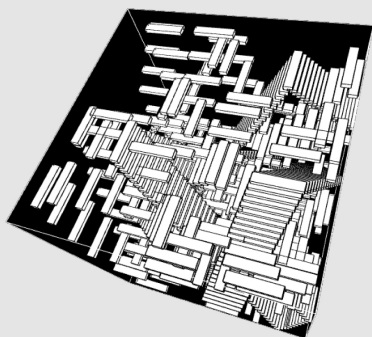
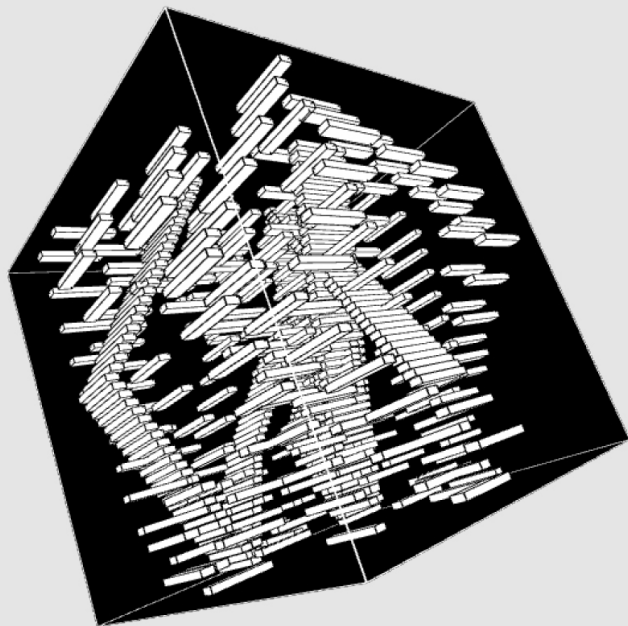
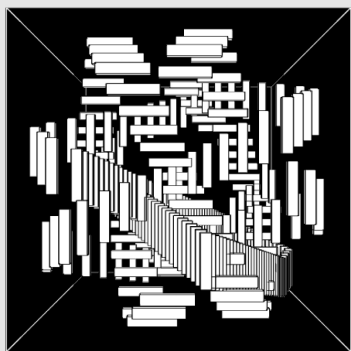
Coded in *Processing* by Ingrid Noual, Caroline Hug de Larauze.

A photograph of a computer lab or classroom. In the foreground, a young woman with long brown hair tied in a bun is seen from behind, wearing a light grey sweater and a blue scarf, working on a laptop. To her left, a man in a grey sweater stands with his back to the camera. In the background, several other students are seated at desks, some looking at their laptops and others talking. The room has a white ceiling with recessed lighting and several black cables hanging from the ceiling. The overall atmosphere is one of active learning and technology use.

PROCESSING



Coded in *Processing* by Marine Demoulin, Marianne Taylor.

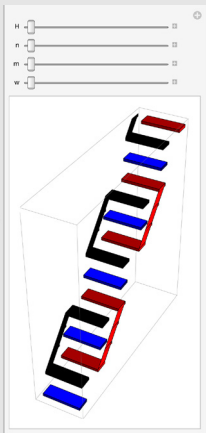
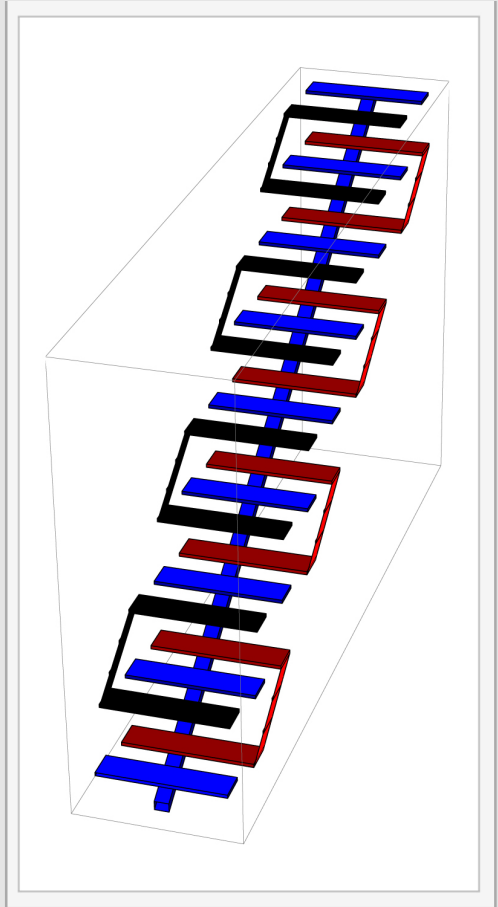
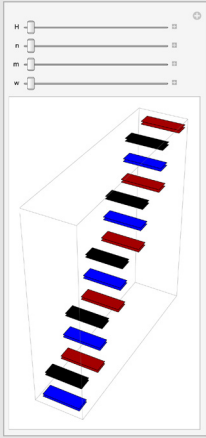
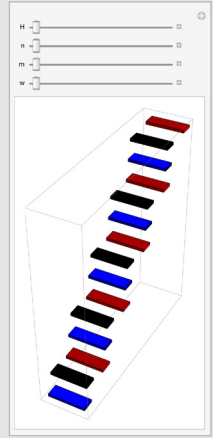
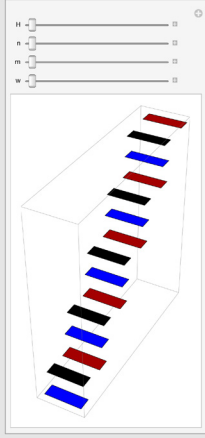
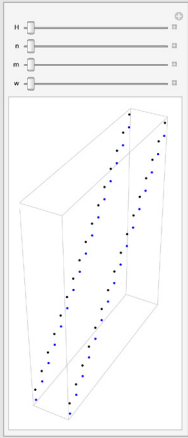


Coded in *Processing* by Marion Oberlin, Chloé de Salins.

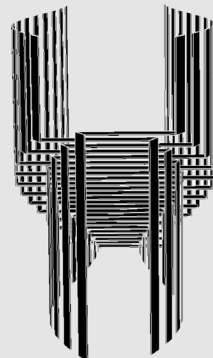
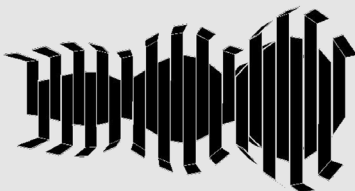
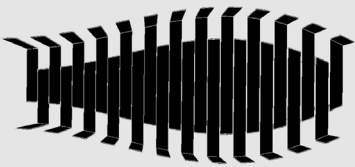
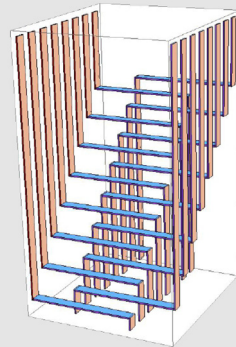
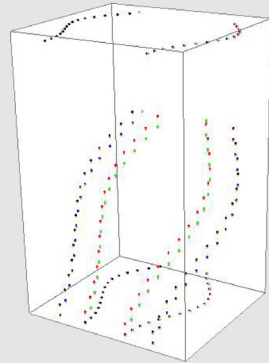
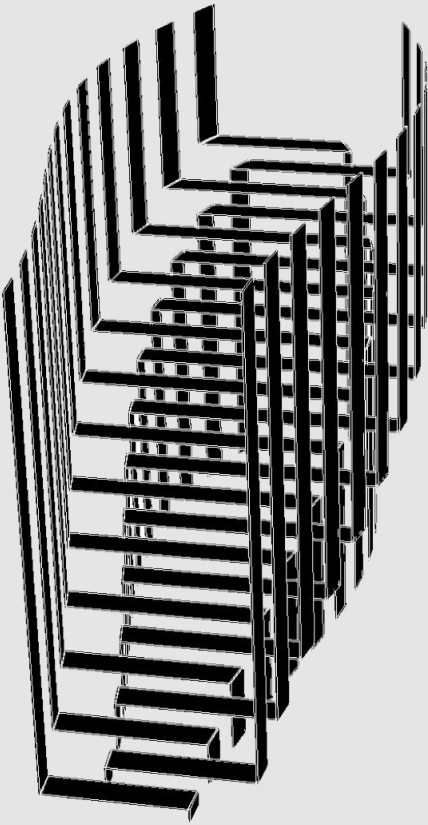


PROCESSING

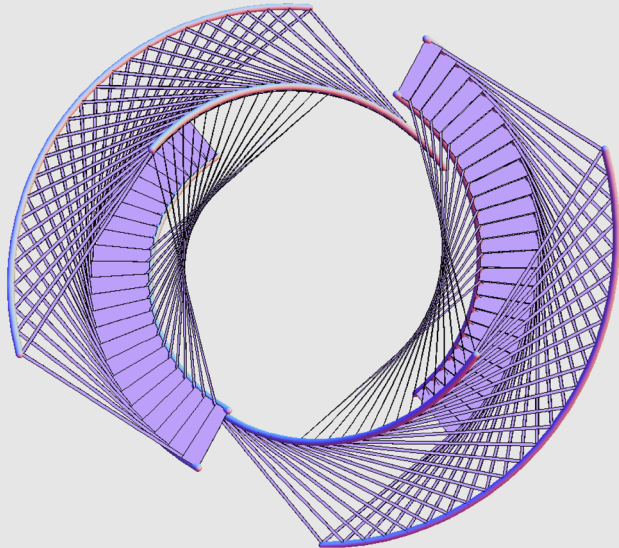
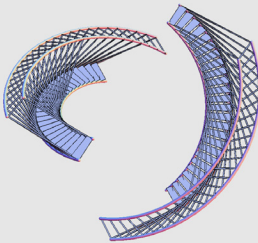
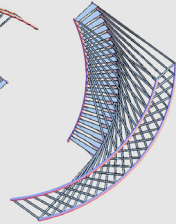
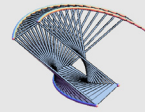
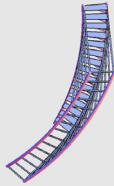
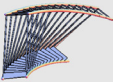
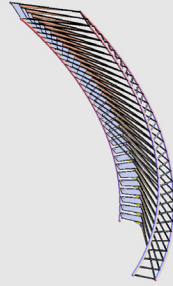
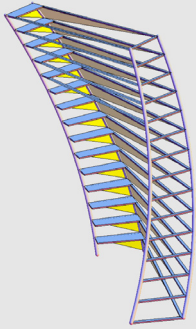




Coded in *Mathematica* by Sophia Bendimerad, Mayeul Jullien de Pommerol, Kevin Guidoux

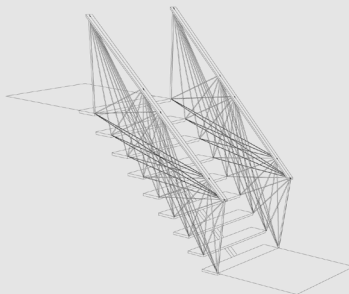
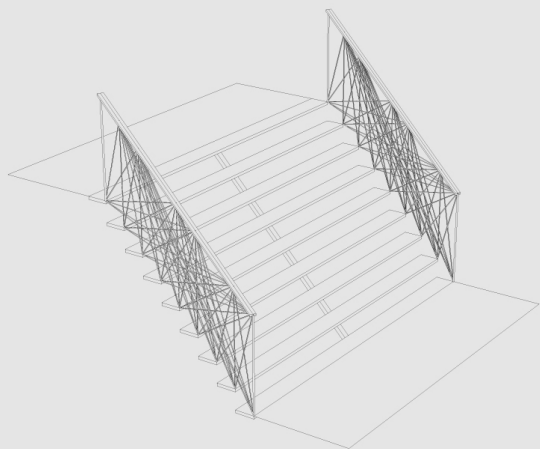
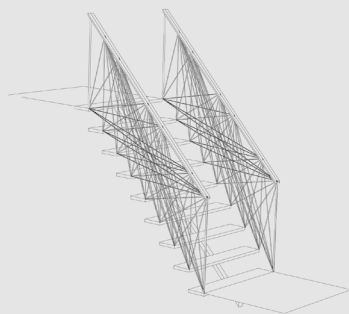
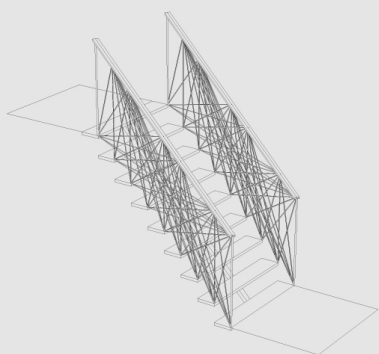
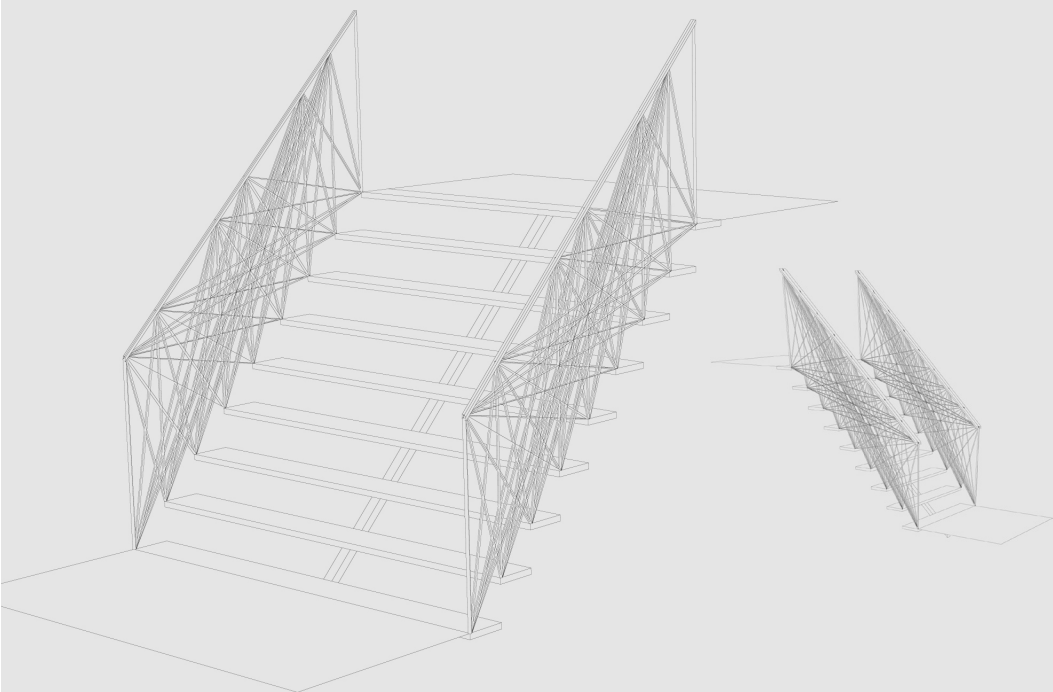


Coded in *Mathematica* by Radia Cheddadi, Quentin Lenoir

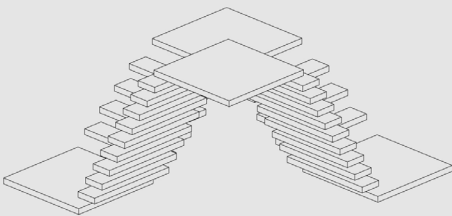
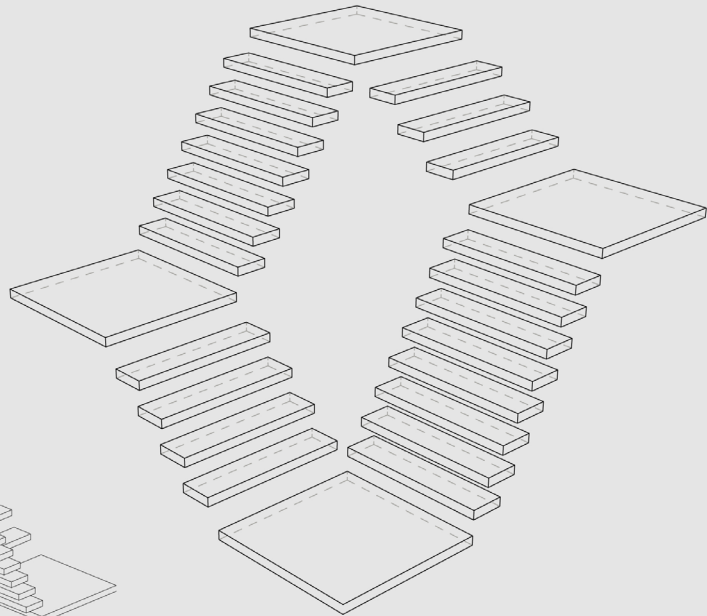
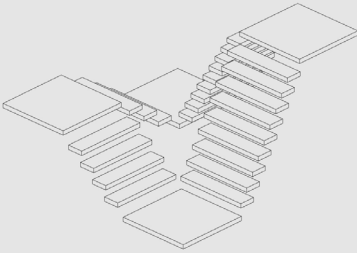
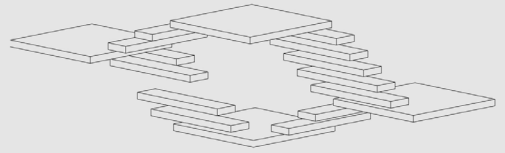
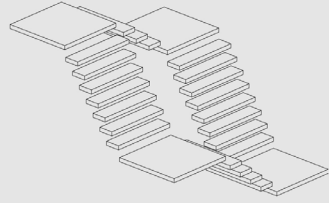
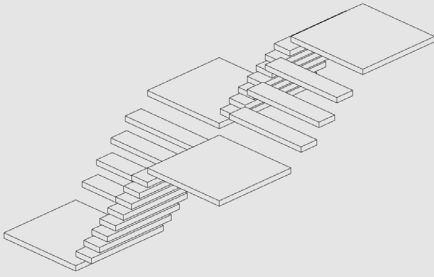


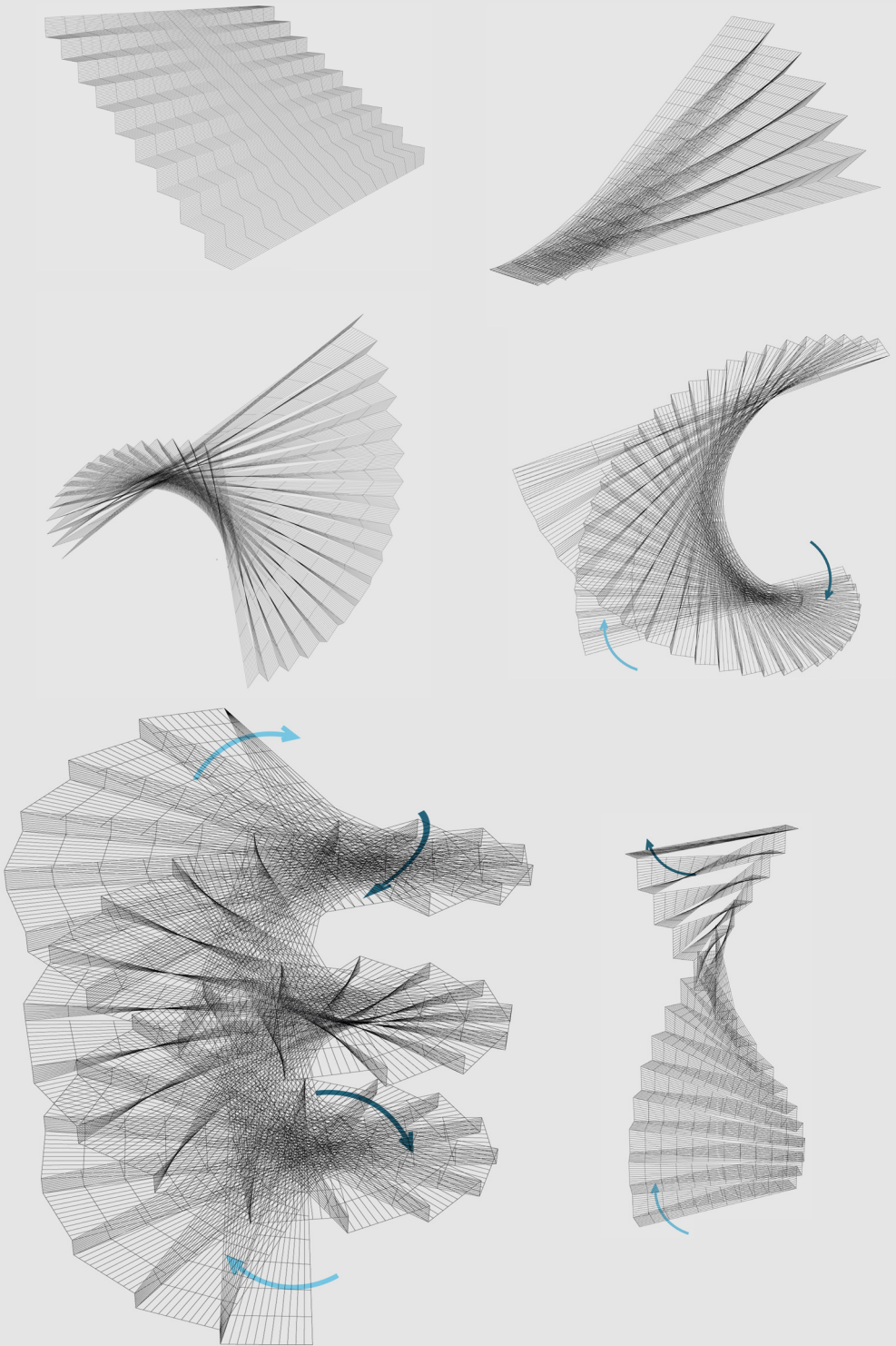
MATHEMATICA





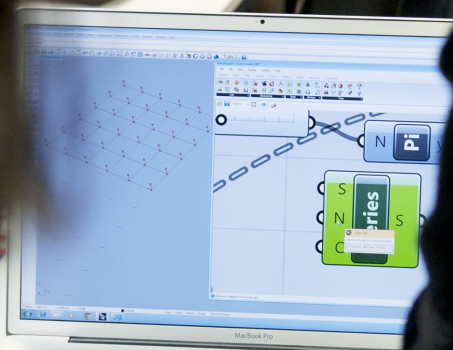
Coded in Grasshopper by *Emma Costantini*, Dominik Siebeneichen





Coded in *Grasshopper* by Iris Kolivanoff, Daria Ardant

GRASSHOPPER



Students:

Barrere Alexandre, Bullier Margaux, Cavalié Camille, Chevrier Marie, Costa Sophie, Desallais Estelle, Fichet Manon, Gabourg Elodie, Gwak Se Yeong, Kahloon-Rouy Sélim, Laprade Mathilde, Loumeau Alice, Morel Corentin, Moscato Solène, Siffermann Nicolas, Younes Almahdi Arij, Hoyt Sarah, Pesme Pierre, Ardant Daria, Bousquet Florence, Costantini Emma, Deleforge Adrien, Grandais Baptiste, Jaub Julie, Kolivanoff Iris, Lepigeon Laure, Mai Hung Trung, Millot Charles, Perez Amaya Juan Pablo, Rase Casanova Aramaéa, Siebeneichen Dominik, Weil Alice, Lam Hoi Ying, Lallement Julia, Verdes Florent, Barbet Alieth, Bougon Maxime, Cailleteau Helene, de Salins Chloé, Goudier Baptiste, Juillot Alexis, Krief Hadrien, Leurent Constance, Lucas Paul-Antoine, Monnier Virginie, Oberlin Marion, Pfeiffer Oswald, Racat Christophe, Reyt Lucile, Rigault Lucile, Taylor Marianne, Tena Lisa, Vessiere Edouard, Zakraoui Ghita, Le Céline, Patsouri Galatéa, Demoulin Marine, Aoula Lilya, Austry Ludovic, Bendimerad Sophia, Bui Quy Son, Cheddadi Radia, Conan Julie, de La Villegeorges Albane, Erard Simon, Foulet Marion, Guidoux Kevin, Jovanovic Nikola, Jullien de Pommerol Mayeul, Lavallart Agathe, Lewandowski Delphine, Marshall Camille, Moranne Quentin, Muller Bruno, Orlini Marine, Poudroux François-Xavier, Andignac Sarah, Barth Tristan, Bergeret Edouard, Boez Victoria, Clanet Hallard Alice, Daniel Lacombe Eva-Marie, Decroix Louise, Gambotti Charlotte, Hug de Larauze Caroline, Labartette Mathilde, Lemieuvre Anne, Mattsson Johanna, Mechiche Alami Mehdi, Noual Ingrid, Raymond Aurélien, Riachi Johane, Stetenfeld Emeline, Sene Iris, Maghooa Nuzhaa, Daquin Justine, Demarze Ariane, Forestier Claire, Guilbert Guillaume, Hucault Annabelle, Klein Mégane, Lefebvre Florian, Martin-Richon Armelle, Nicolas Quiterie, Philippe Perrine, Rondot Marc Aurèle, Stafie Marie, Toussaint Julien, Wahbi Samia, Manach Alice, Boggio Elie.