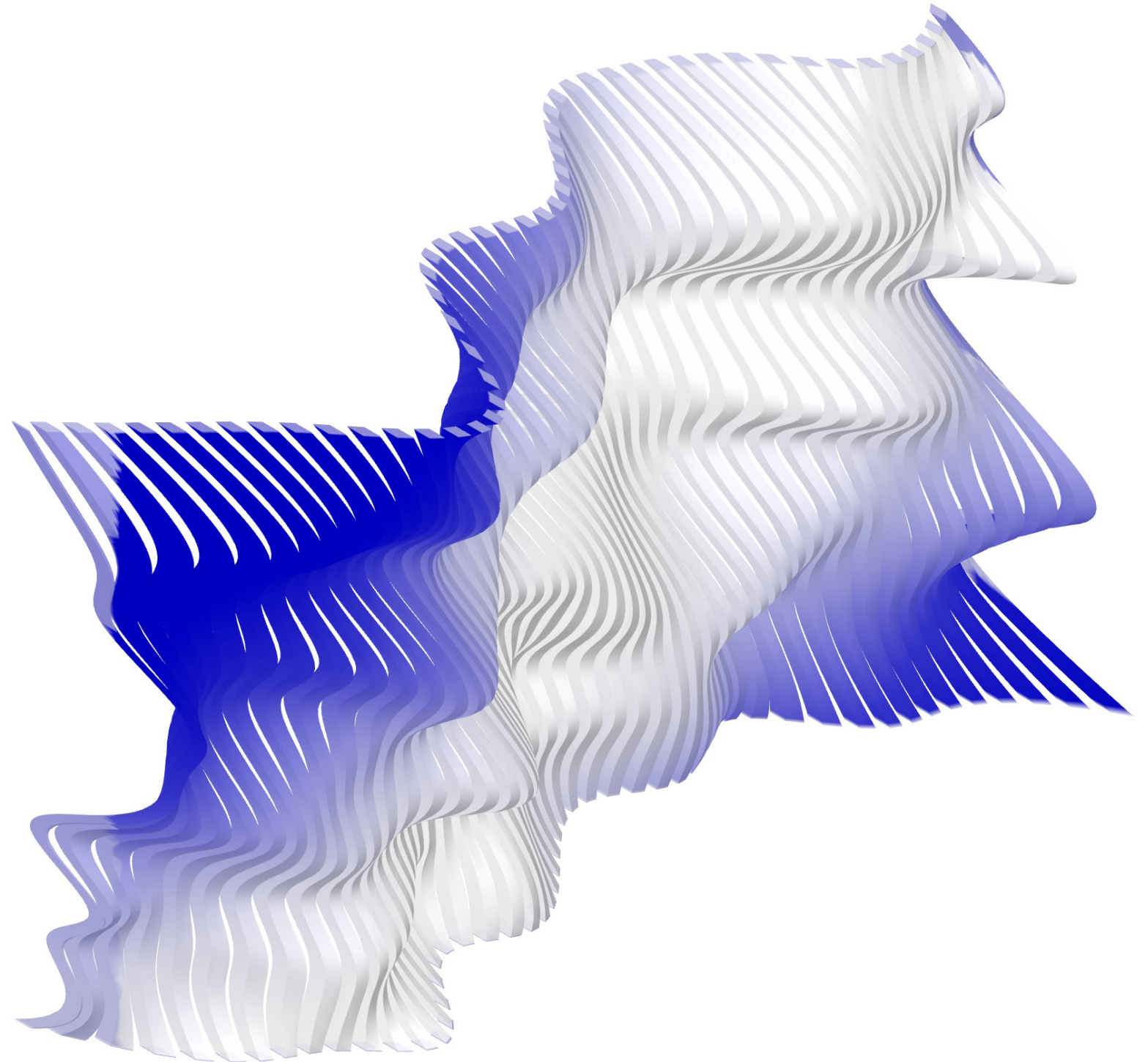


PRIVACY SCREEN

This parametric design project explores the creation of a privacy screen with gradient transparency using the Grasshopper plugin in Rhino. The project aims to combine functionality with aesthetics, offering a versatile architectural element that balances privacy and openness. By leveraging parametric modeling, the design incorporates dynamic patterns and gradients that respond to spatial needs and user preferences.

The workflow involves a systematic series of steps, beginning with the generation of base geometry through lines and curves. These are then extruded, divided, and manipulated to achieve varying levels of transparency. Utilizing Grasshopper's powerful algorithms, the design integrates processes such as contouring, splitting, and dispatching to create complex gradients within the screen. This gradient design allows for an adaptable interplay of light and shadow, contributing to the screen's functionality as both a partition and a sculptural element.

Through iterative testing and refinement, the project explores variations in form, structure, and transparency levels, resulting in a diverse range of outcomes. The design's gradient effect not only serves privacy needs but also enhances the emotional connection between users and their surroundings, embodying the project's emphasis on sustainability and emotional attachment in design. This privacy screen demonstrates the potential of parametric tools to create customizable, functional, and visually engaging architectural solutions.



CONCEPT DIAGRAM



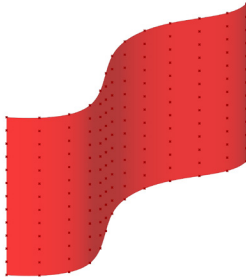
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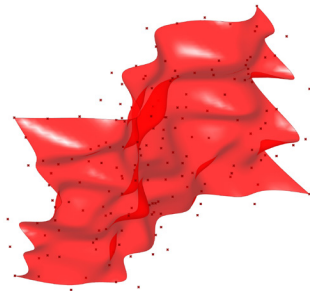
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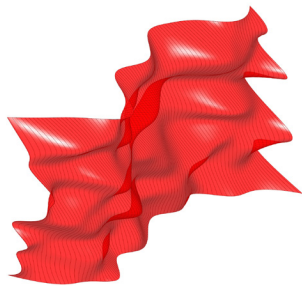
03 EXTRUSION



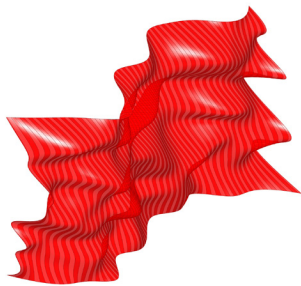
04 DIVISION



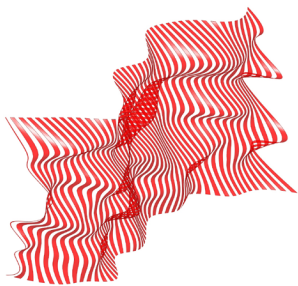
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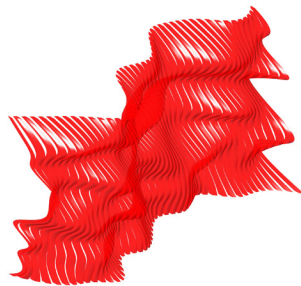
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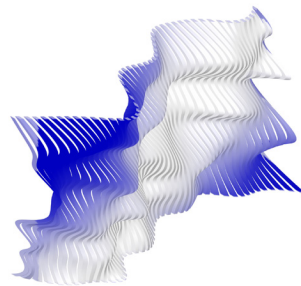
07 SPLIT



08 DISPATCH

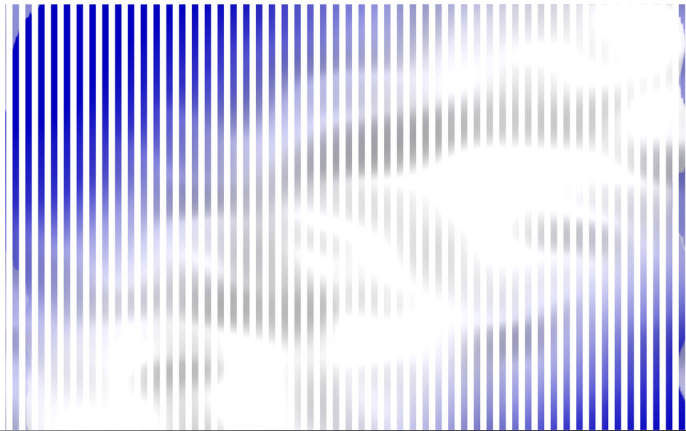
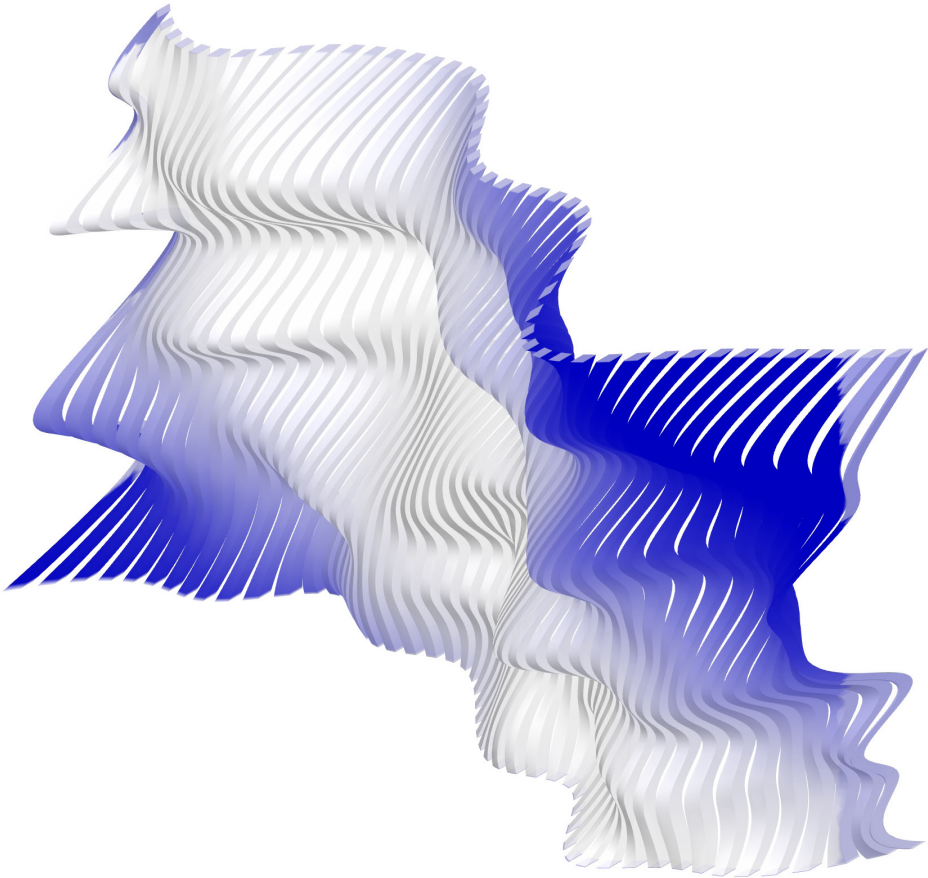
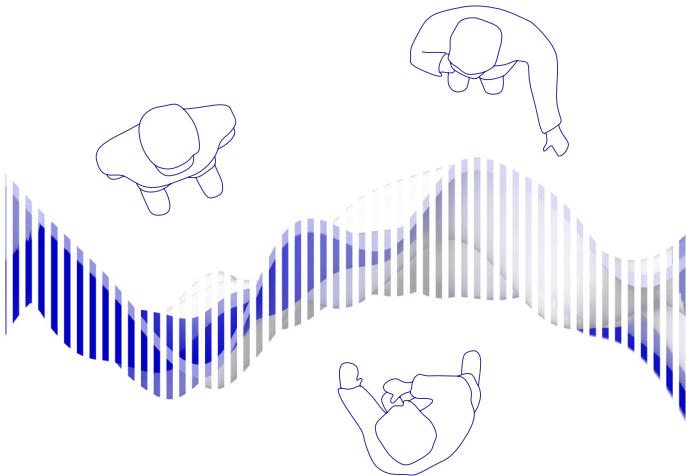


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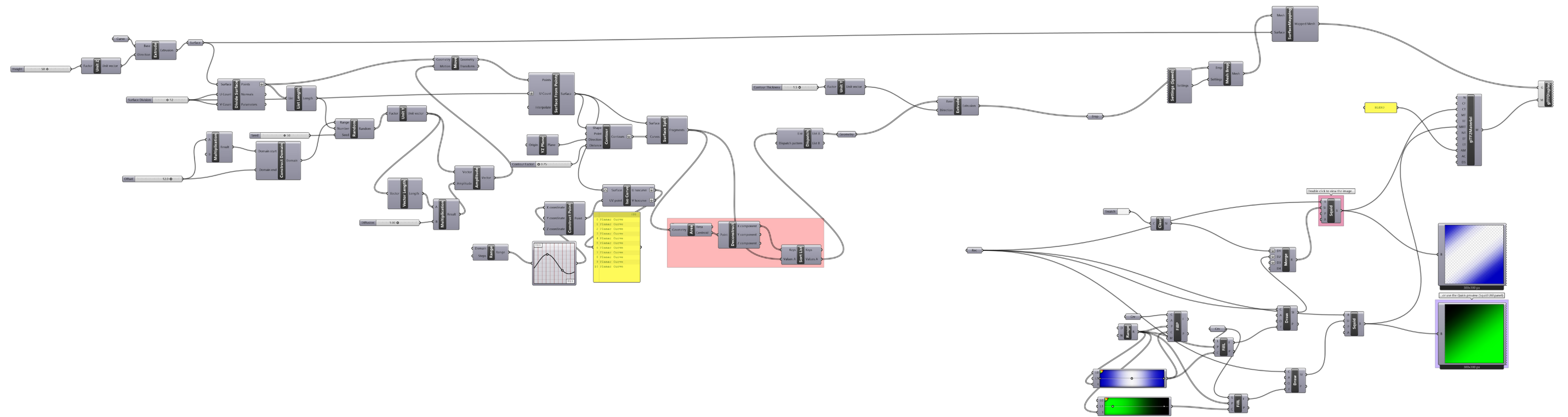


10 GRADIENT

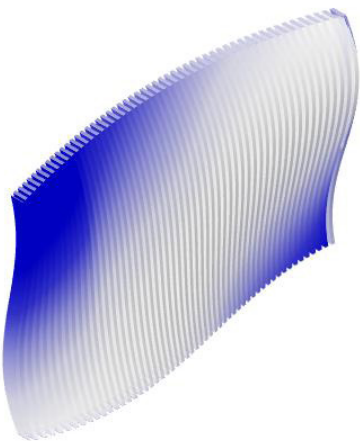
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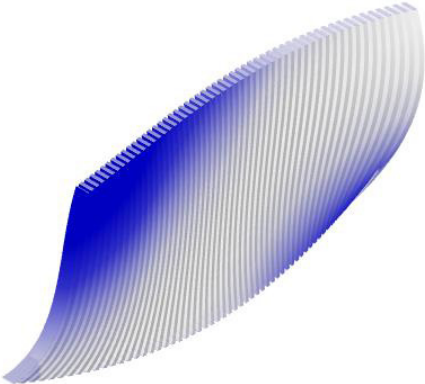
GRASSHOPPER DEFINITION



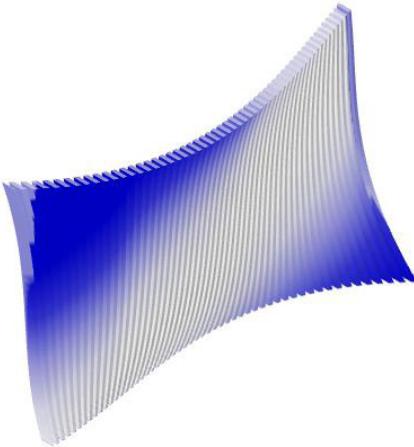
ITERATIONS



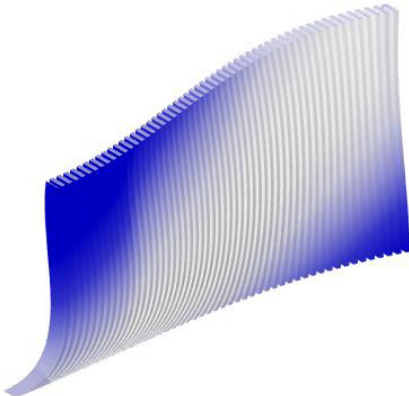
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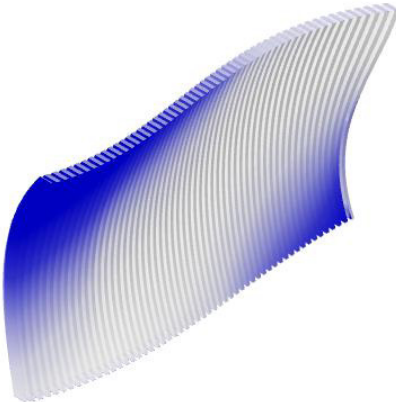
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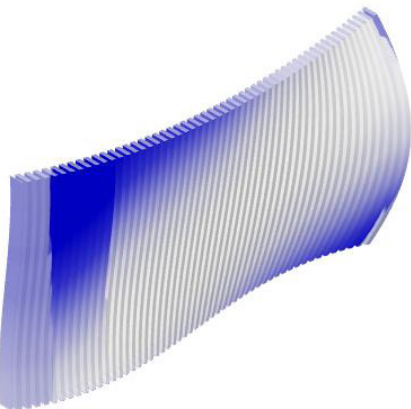
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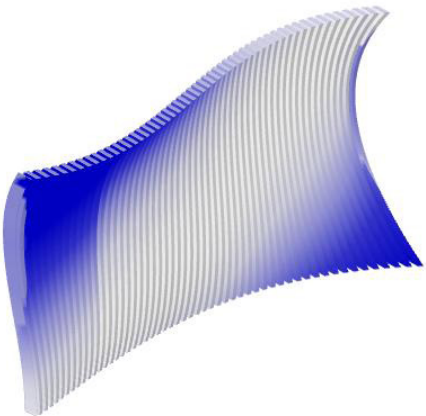
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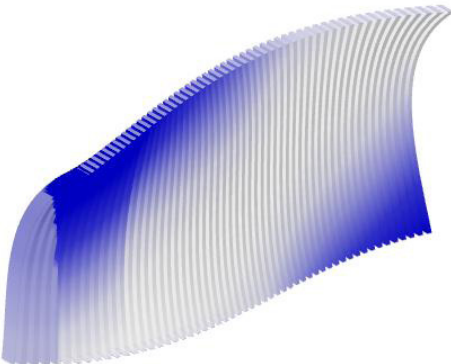
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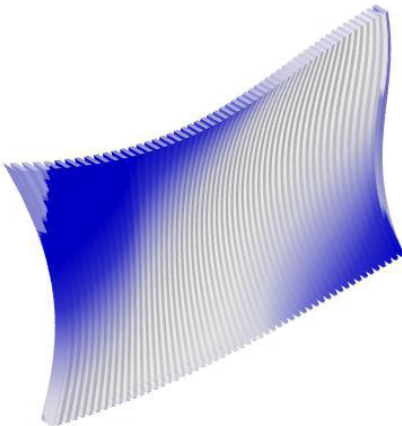
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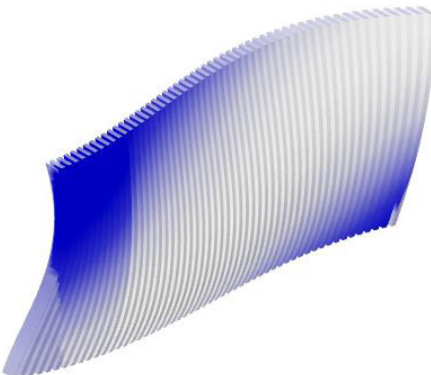
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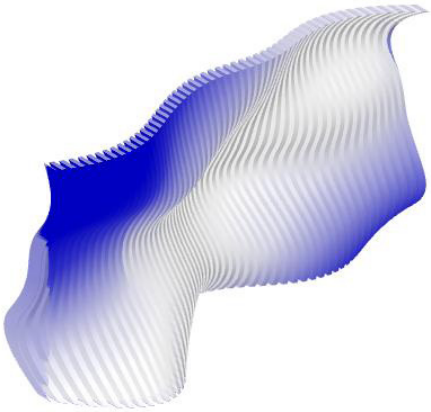


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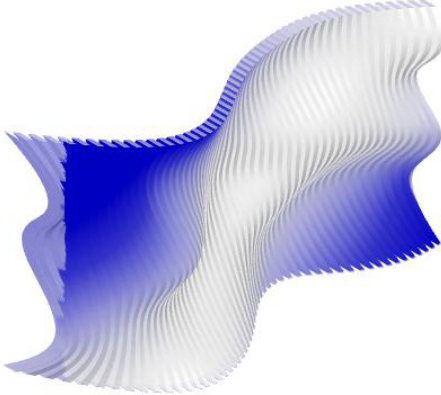


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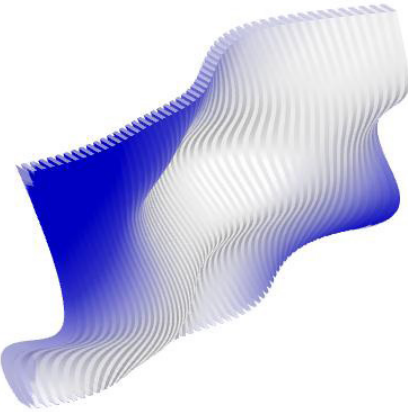
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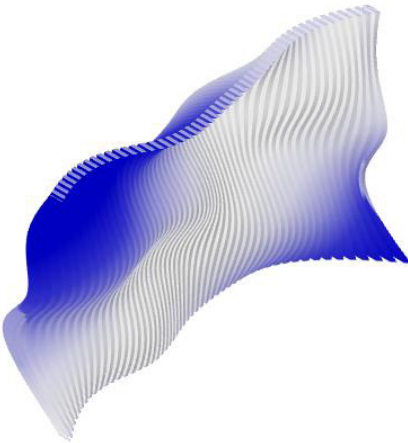
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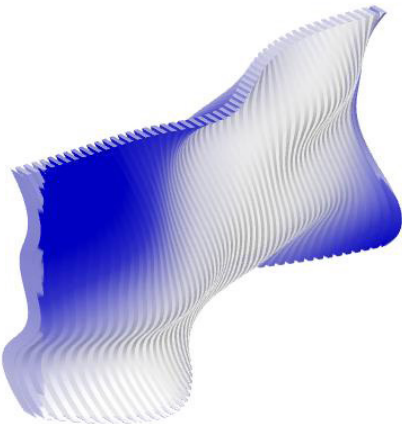
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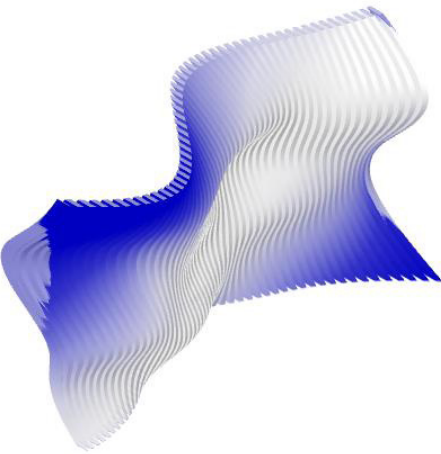
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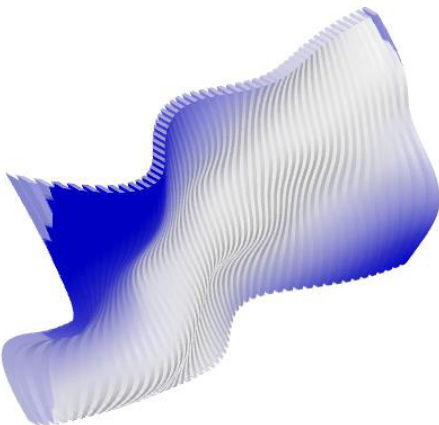
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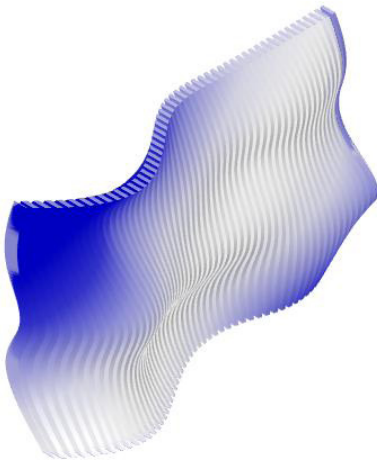
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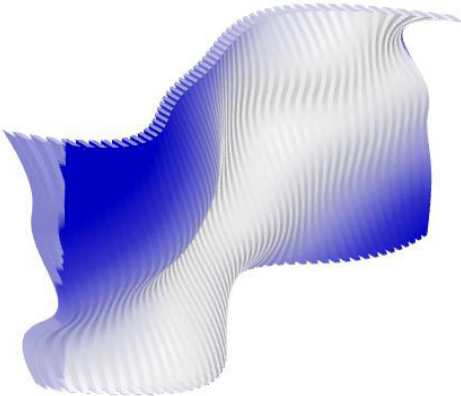
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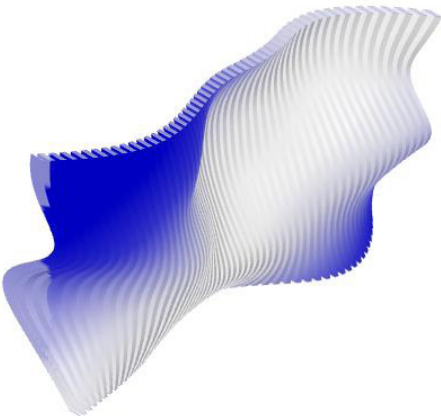
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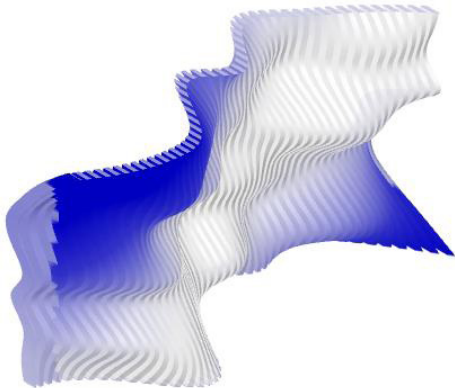


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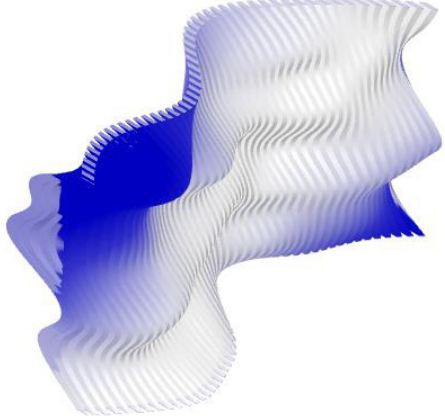


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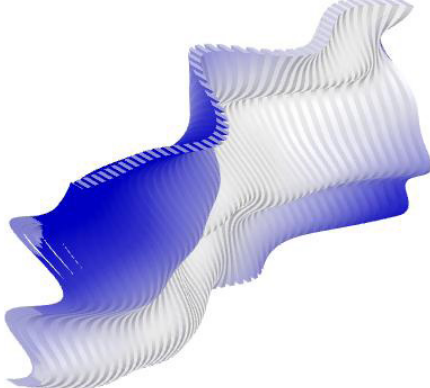
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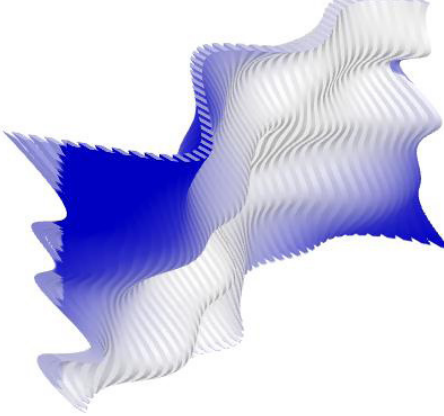
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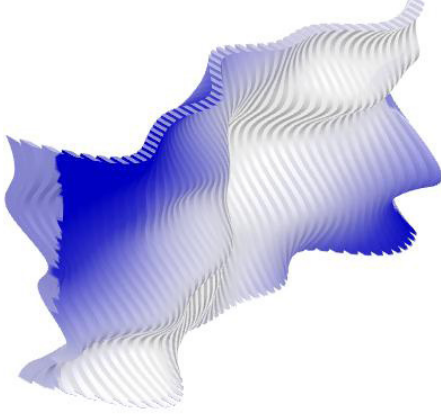
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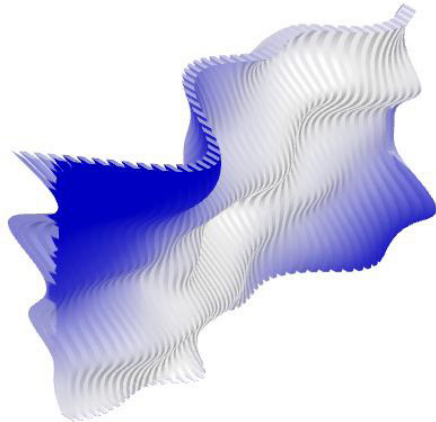
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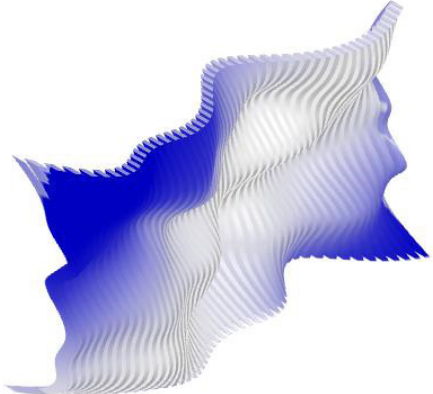
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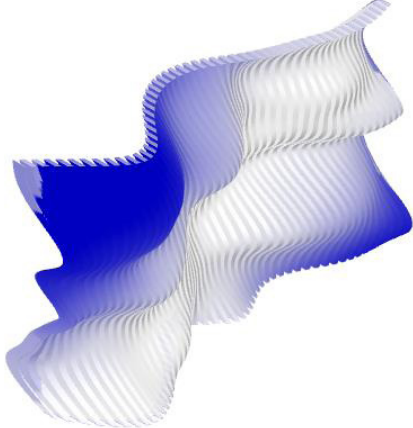
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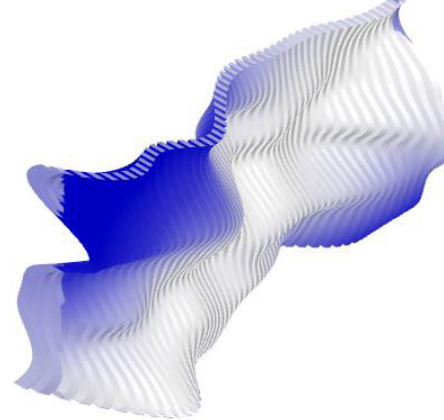
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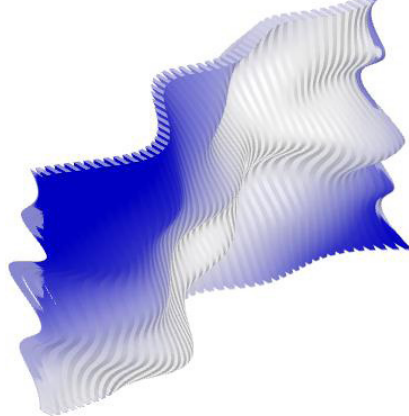
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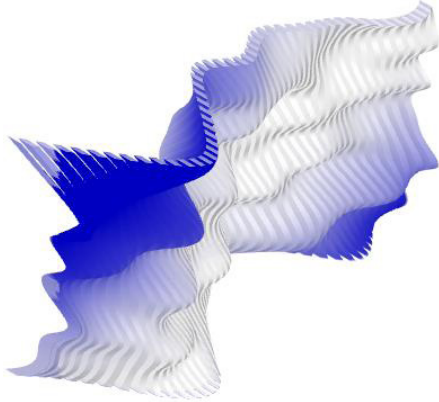


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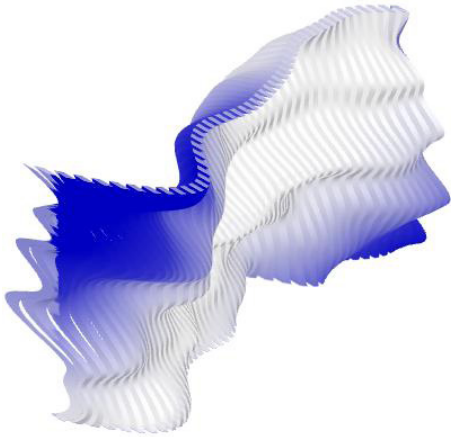


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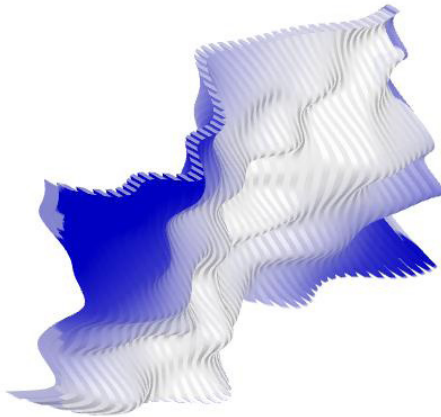
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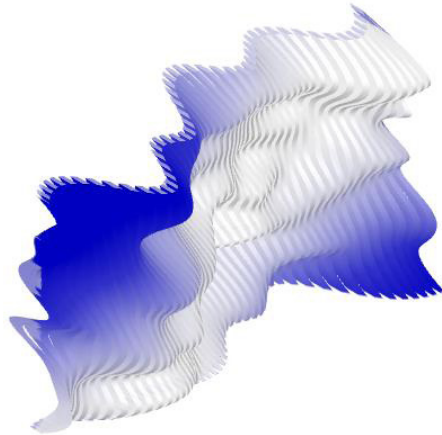
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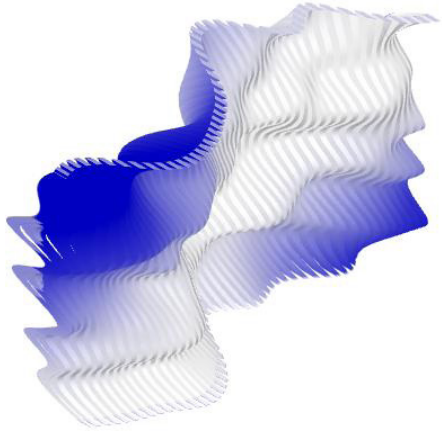
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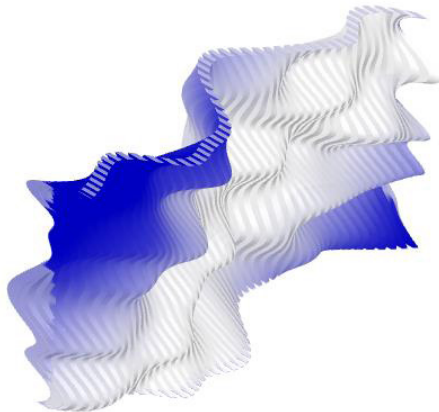
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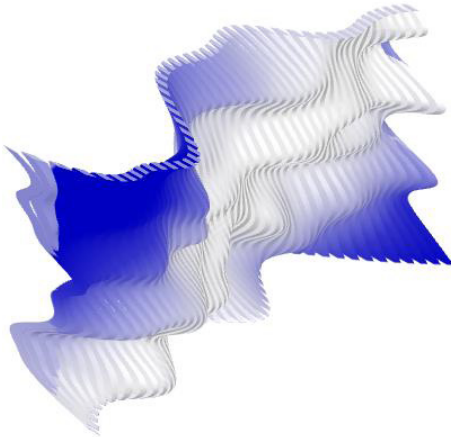
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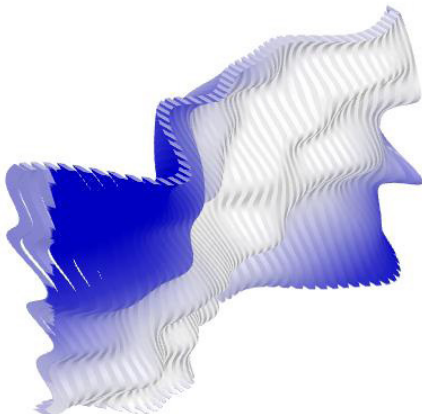
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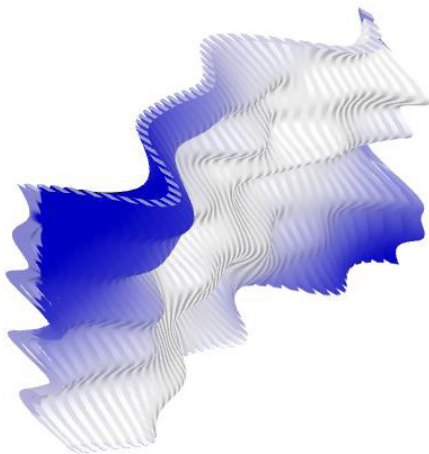
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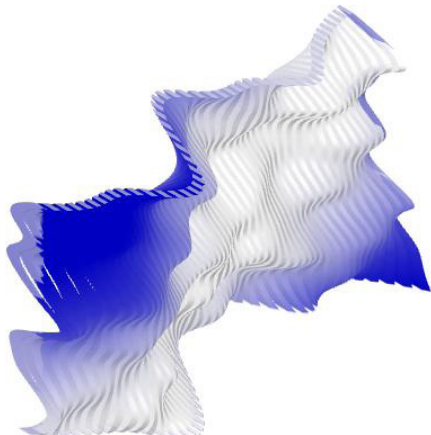
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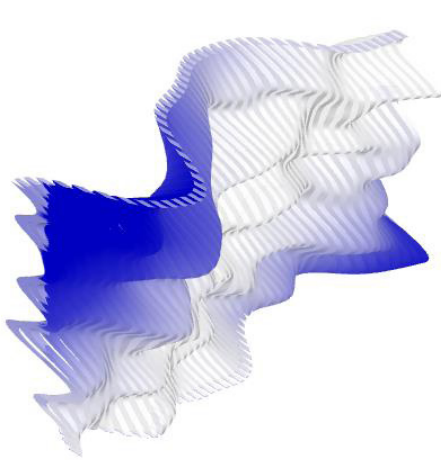


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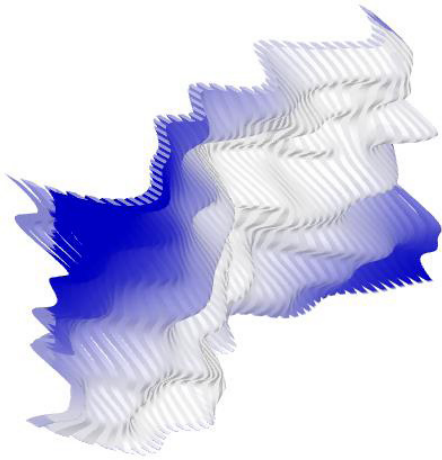


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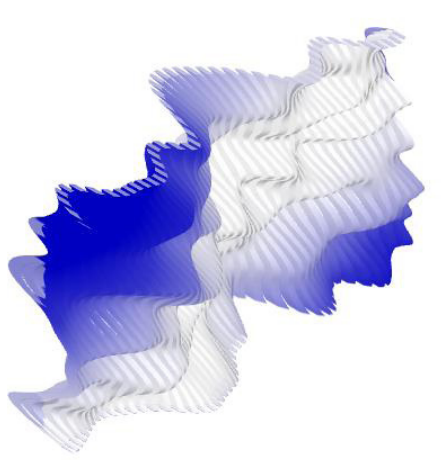
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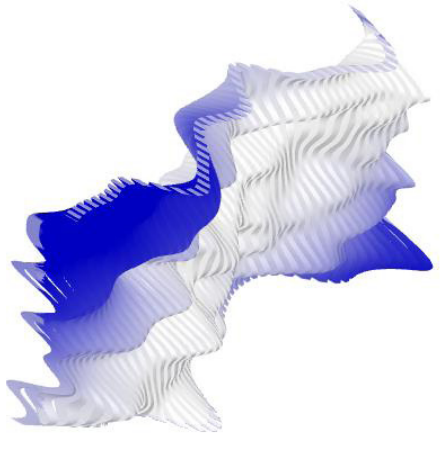
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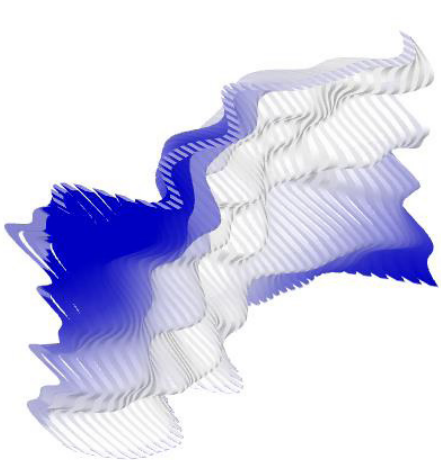
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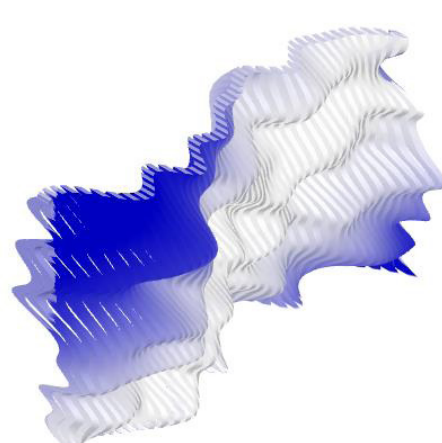
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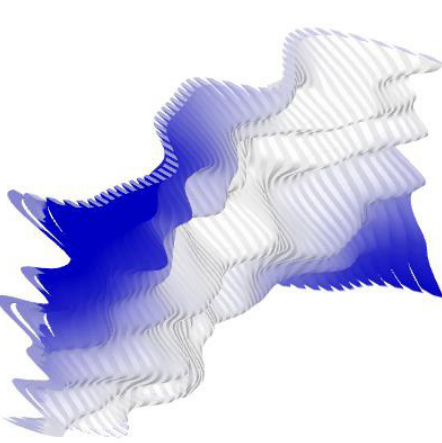
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047



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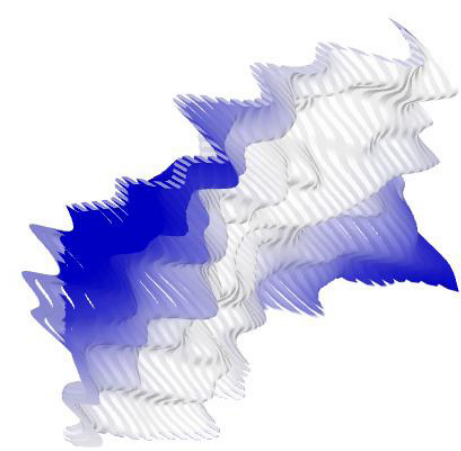


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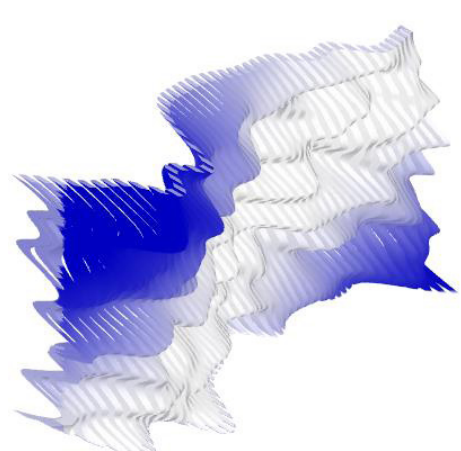


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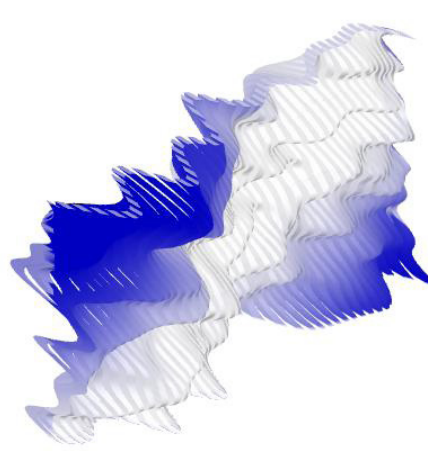
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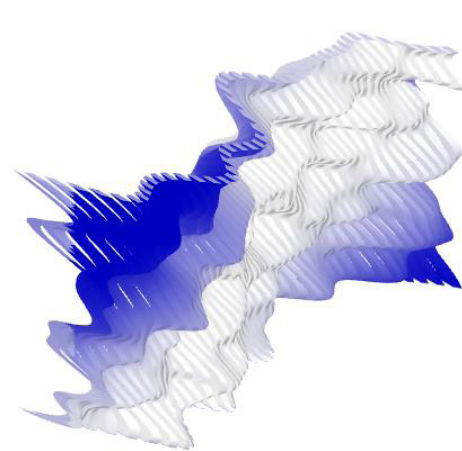
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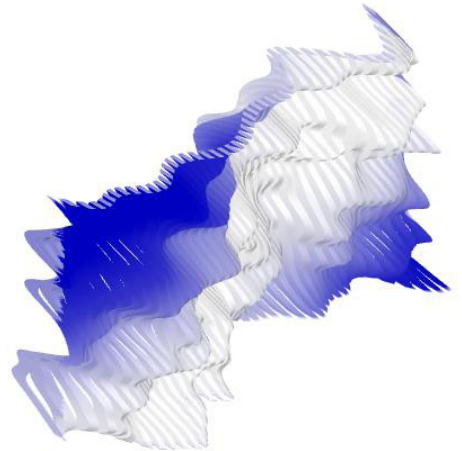
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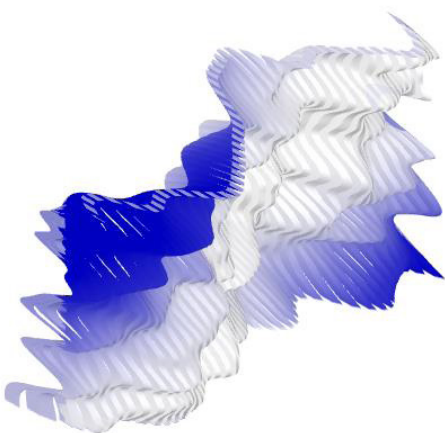
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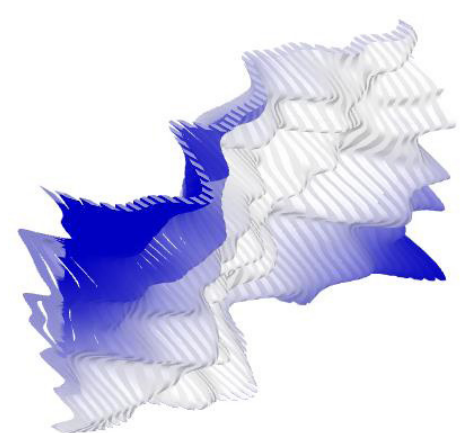
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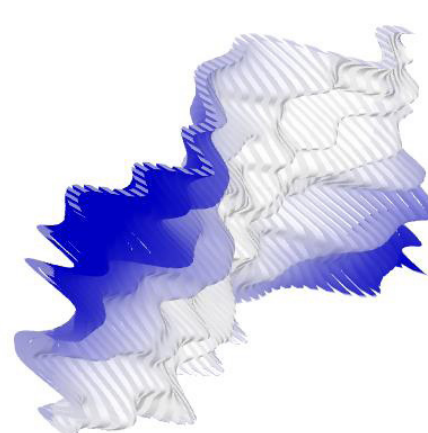
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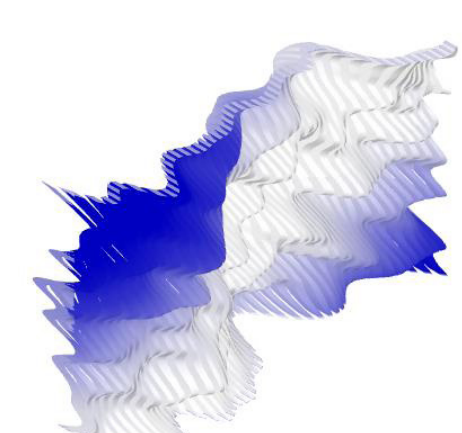
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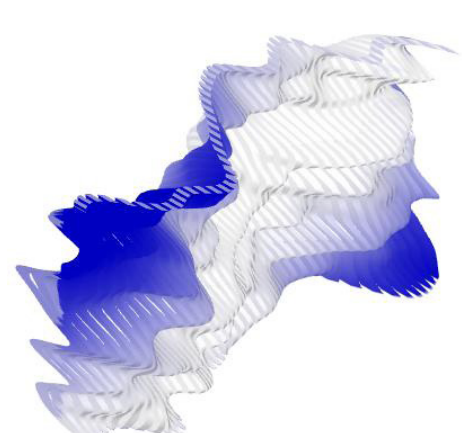
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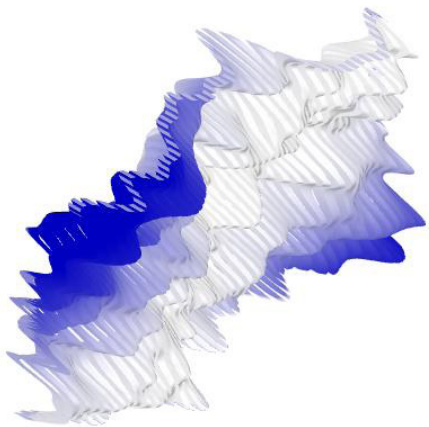


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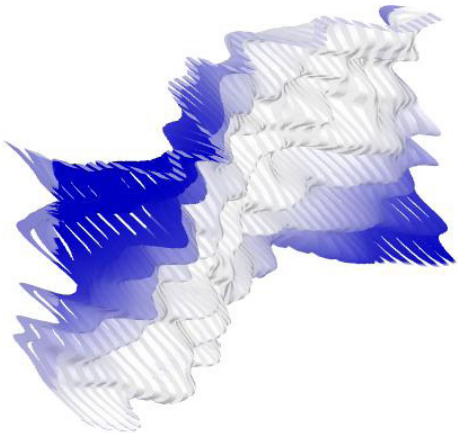


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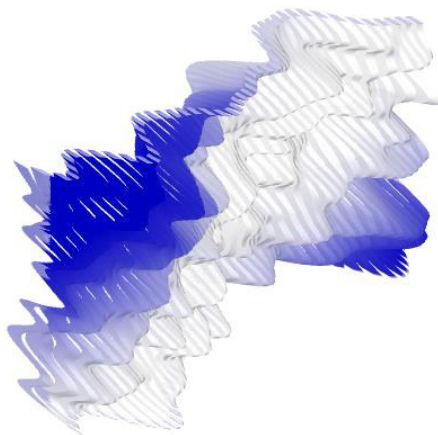
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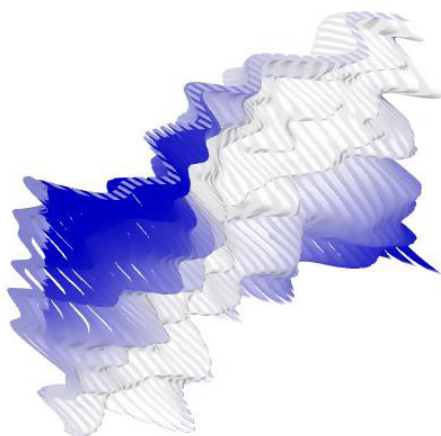
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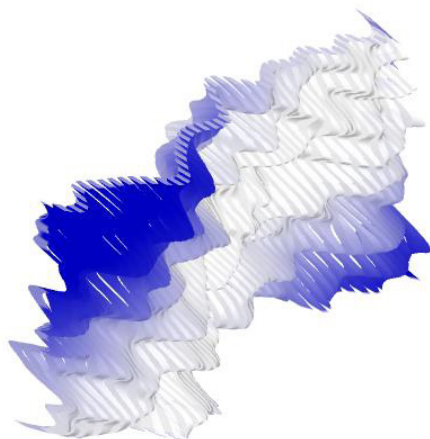
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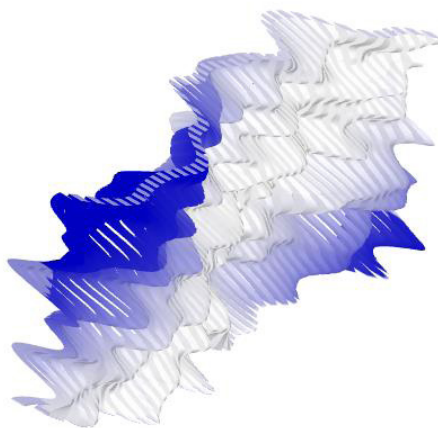
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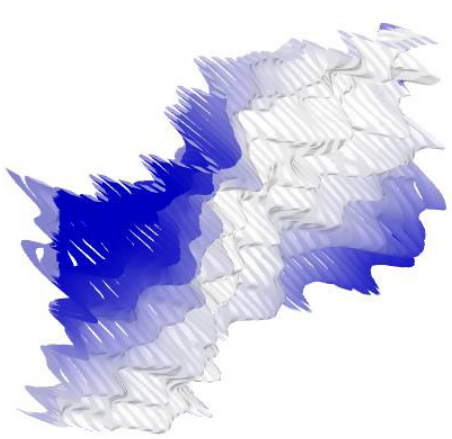


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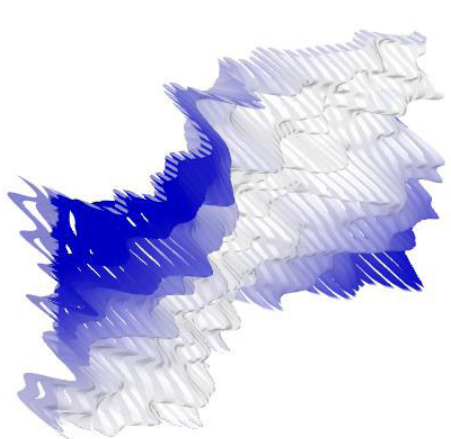


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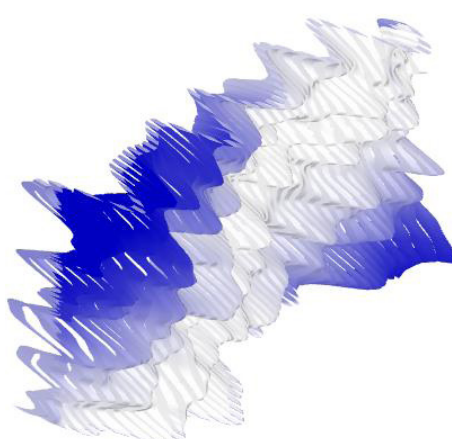
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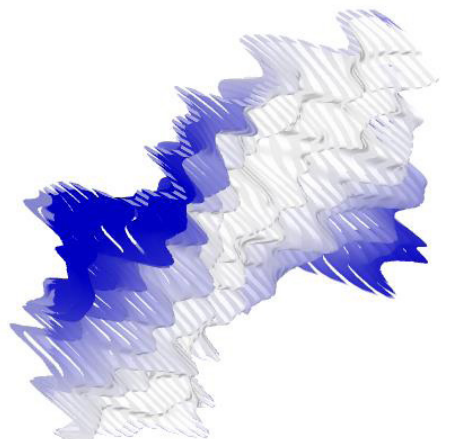
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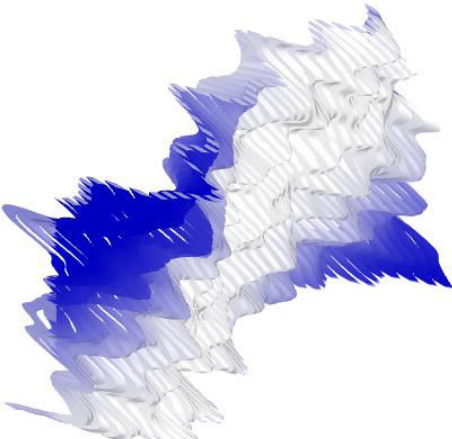
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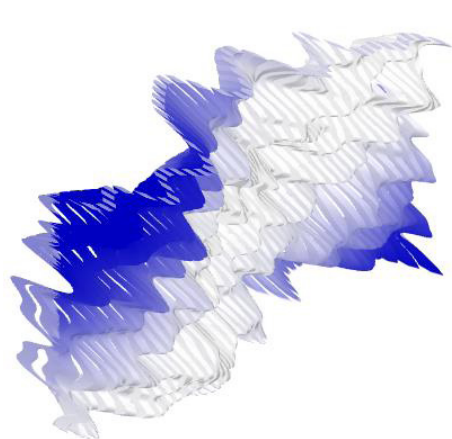
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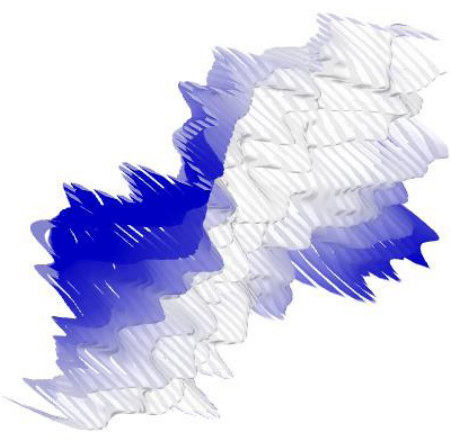
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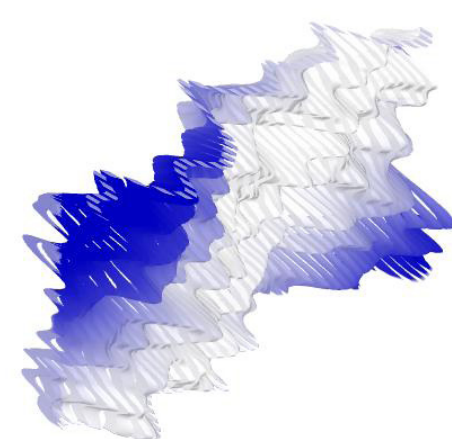
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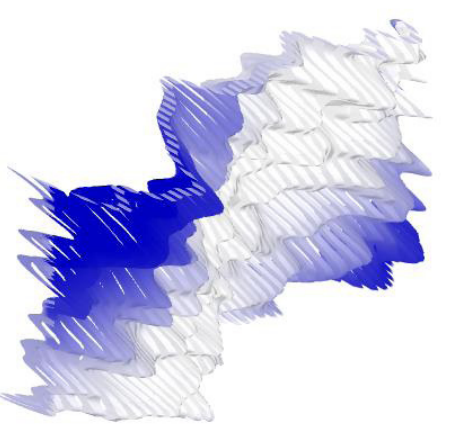
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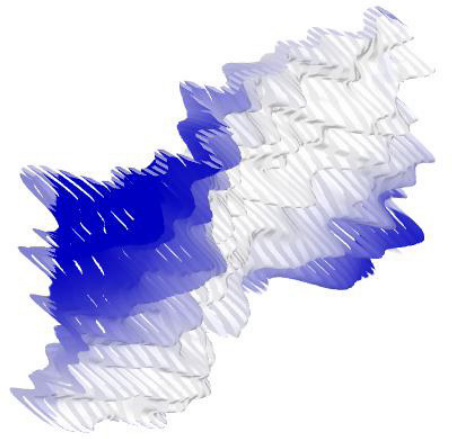
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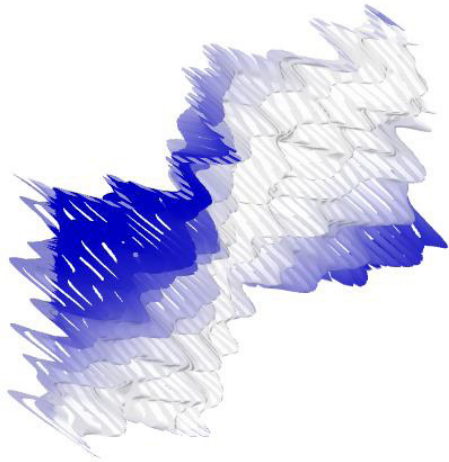


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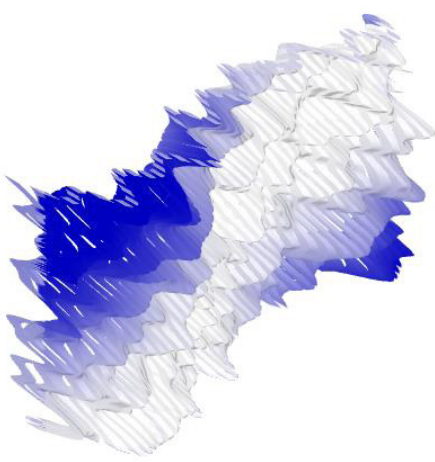


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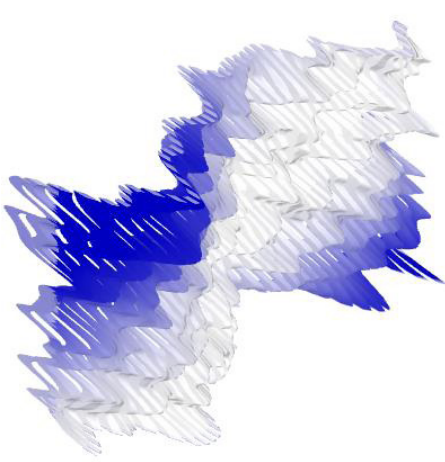
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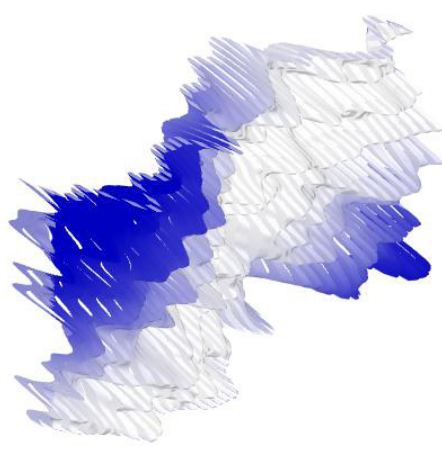
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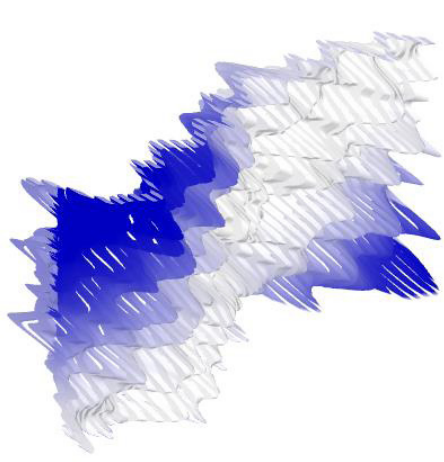
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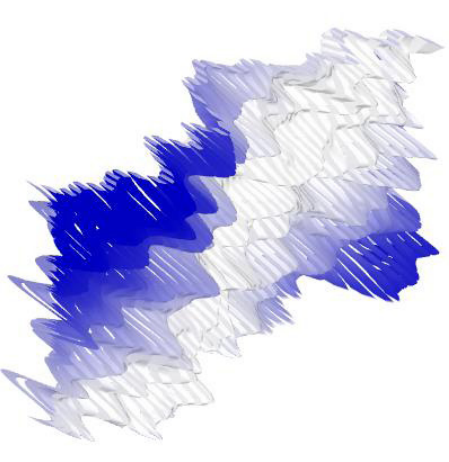
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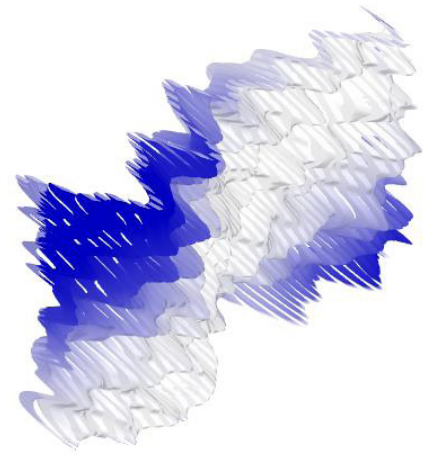
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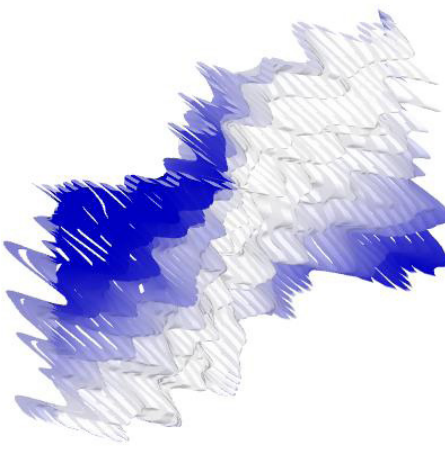
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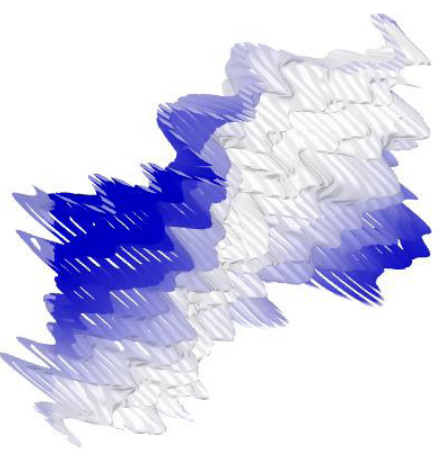
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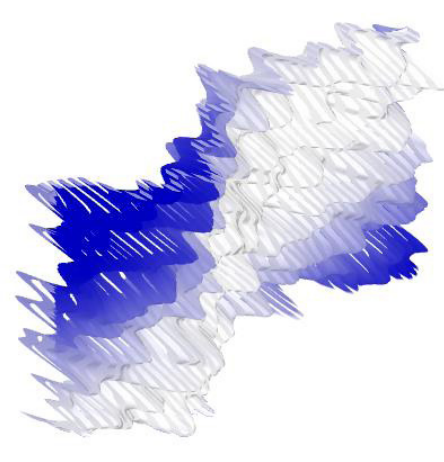
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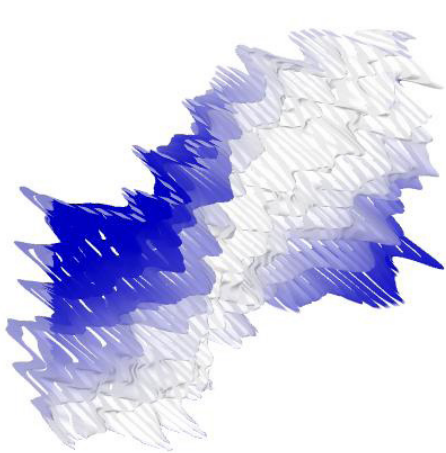


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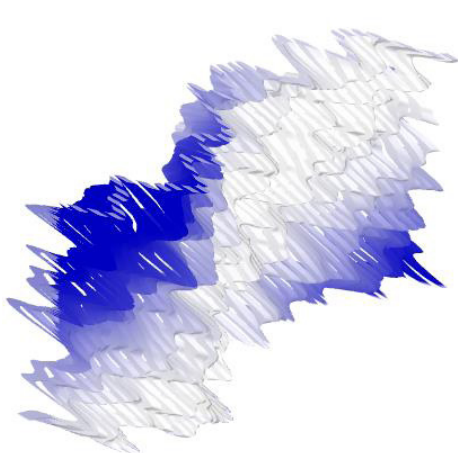


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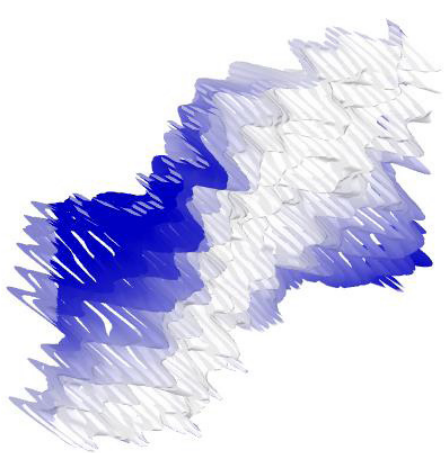
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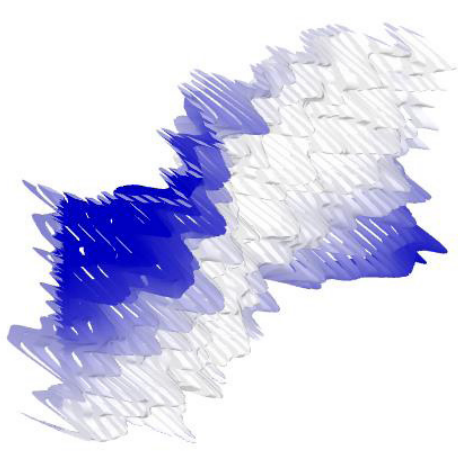
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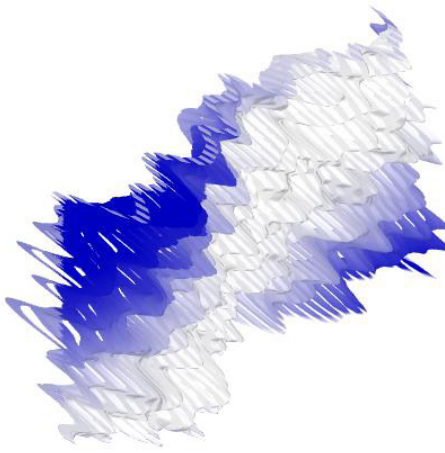
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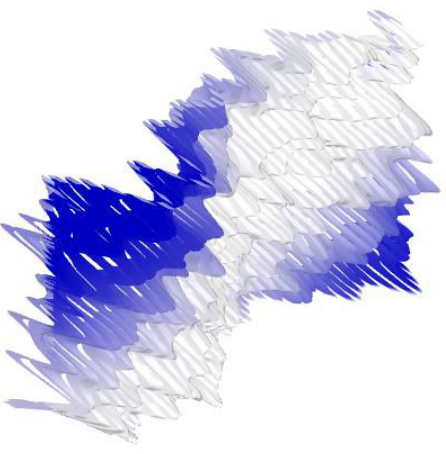
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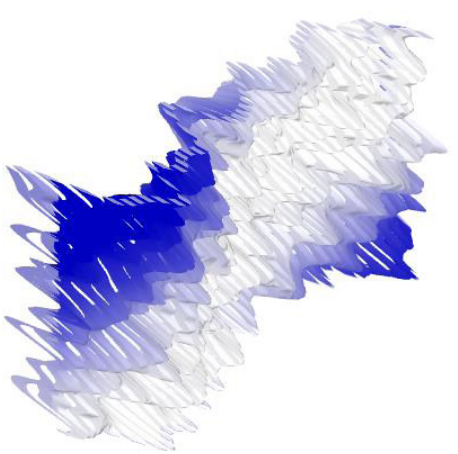
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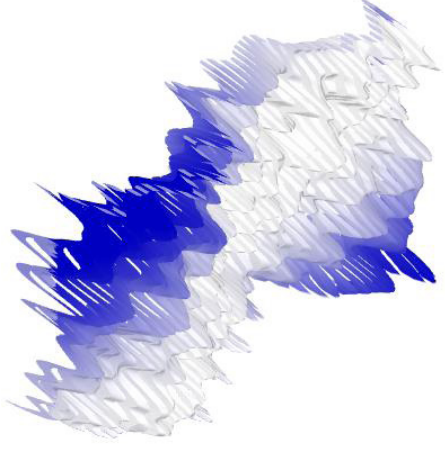
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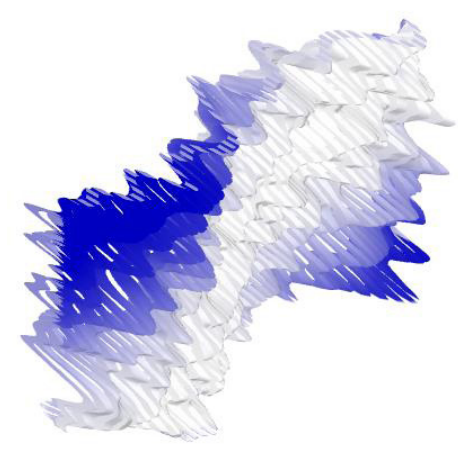
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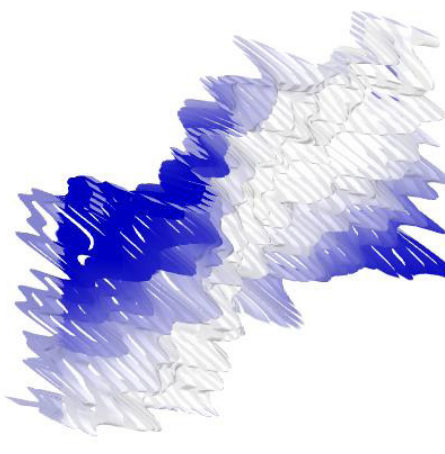
097



098



099



100

Scan the code

Scan the QR code below using your mobile device to see the model in AR. The code is compatible with Android and iOS devices.



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