

Artist Presentation

Reuben Margolin

Clarissa Wu | DesInv 23 Summer 2020



Reuben Margolin

- Artist from Berkeley and works in his studio in Emeryville
- Graduated from Harvard with an English degree
- Has been making kinetic sculptures for 20 years, combining nature and math, inspired by waves and the wind

Square Wave | 2005



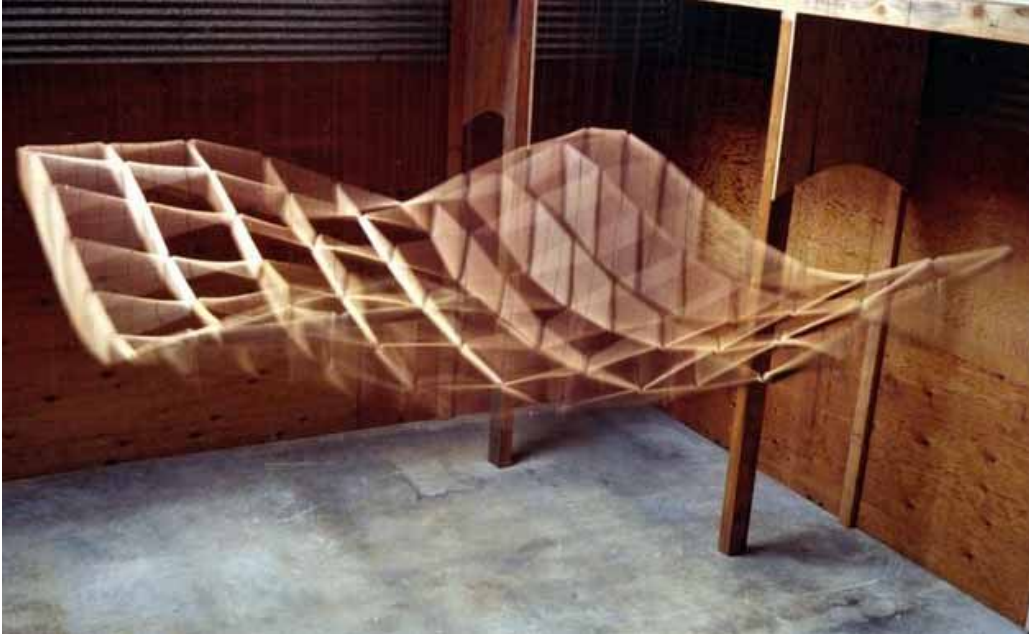
Inspired by wheat fields which created wave forms in the wind in Spain

The wave is made of

- 144 fifteen inch long lengths of tapered fir dowels, hangs from steel cables

Motion: $A\sin a + B\sin b + C$

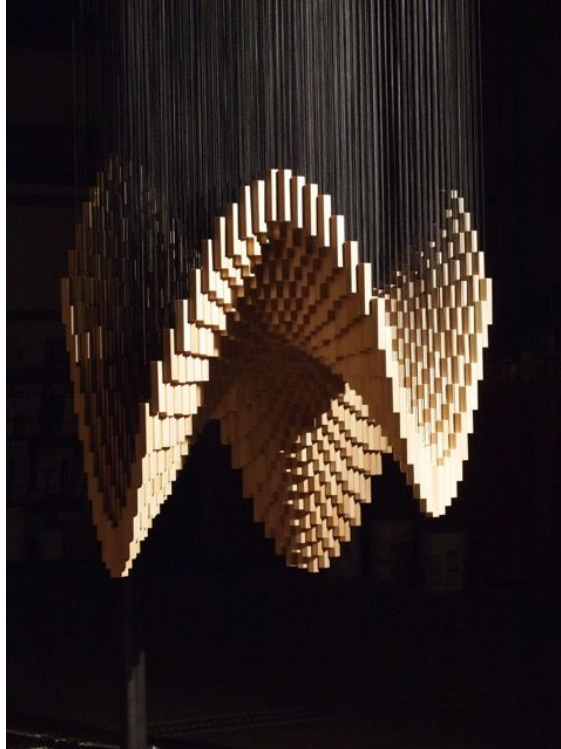
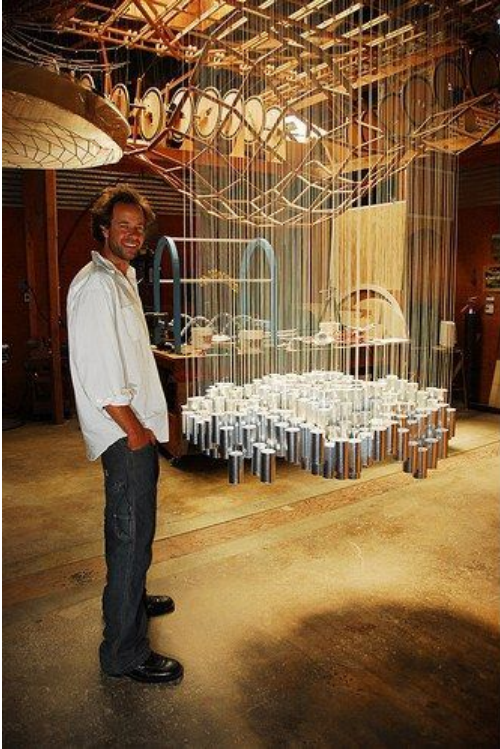
- C = height of the wave
- A and B = amplitudes, and
- a and b = speed of rotation and position of each cam



motors rotating the camshafts can vary in speed giving the generated wave a period between 100 and 10 seconds in either direction

[\[Read more from Margolin\]](#)

More of Reuben Margolin's works



Mobius Wave | 2019



Steel
Wood
String
One electric motor

Helio Curve | Milan Design Week 2015



Waves



[Contours](#)



[Mobius Wave](#)



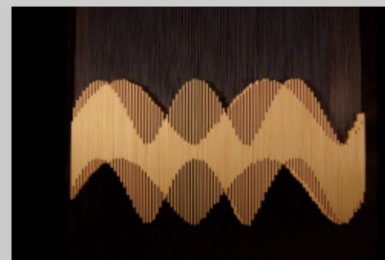
[Dandelion Wave](#)



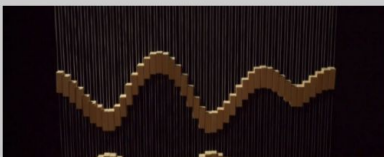
[Murmuration Wave](#)



[Cambrian](#)



[Interlaced](#)



Caterpillars



[Around the World with Cams](#)



[Caterpillar and Woodpile](#)



[Caterpillar with Chariot](#)



[Caterpillar with Green Stripe](#)



[Around the World](#)



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