



fig, Chasing Waves: The Story of John Scott Russell and the KdV Equation by Brianne Christopher May 9, 2018 https://www.comsol.com/blogs/ chasing-waves-the-story-of-john-scottrussell-and-the-kdv-equation/



## Ka-Tessellation-Soliton

fig.Tessellation and Displacement map expresses the height information encoded in the displacement map. https://www.nvidia.com/object/ tessellation.html



## Ka-Miura-Origami

fig.Miura-Origami : https://www.athome-academy.jp/archive/ mathematics\_physics/0000001014\_all.html : Protopaper: A "double wave developable surface" consisting of four parallelogram repetitions. In this way of folding, the British Origami Society (UK Origami Association) named it "Miura-Ori"

## Penrose-Quasicrystal

fig.Origami and Penrose tile What can be done if you think that Penrose tile itself is a development of the Origami work and fold it. Of course, it is necessary to add a fold line as it does not break well as it is (as it is a diamond tile). trial and error. When I tried, it broke unexpectedly and was interesting. :https://j344.exblog.jp/19823492/ ;https://j344.exblog.jp/tags/

## $\frac{Nami = Ka Wave-Function}{Nagi = Ma Twister-Quantum}$

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Arakamichi (9-2) : The Field with One Element : What is Ka & Ma ? Ka WeaveFunction-Nami & Ma Twister-Nagi