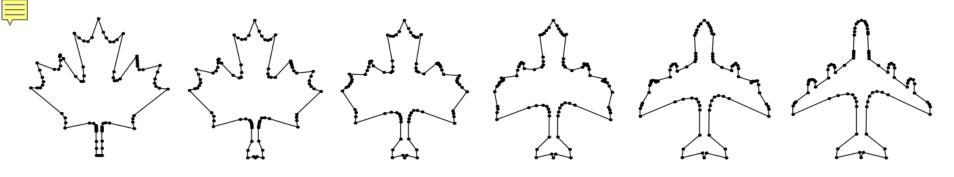
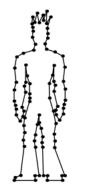
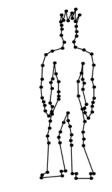
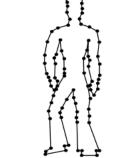
# Programmable Matter by Folding

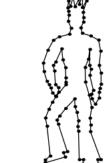
multiple shapes, compound folds

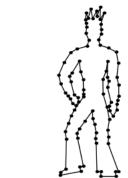


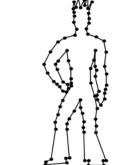


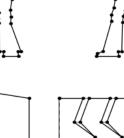


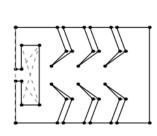


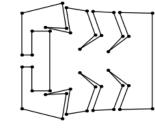


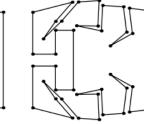


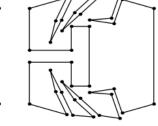


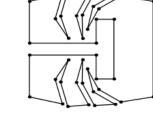


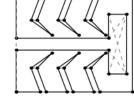




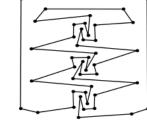


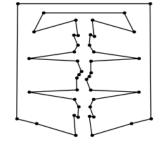


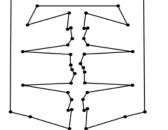


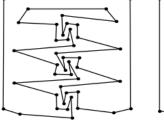


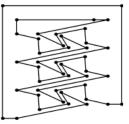












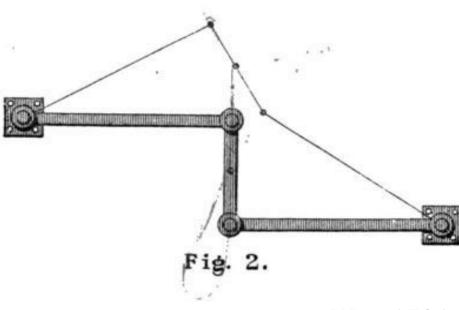
## [Iben, O'Brien, Demaine 2006/2009]

#### NATURE SERIES.

## HOW TO DRAW A STRAIGHT LINE;

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Watt 1784

# 

### Peaucellier 1864

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A. B. KEMPE, B.A.,

OF THE INNER TEMPLE, ESQ.; MEMBER OF THE COUNCIL OF THE LONDON MATHEMATICAL SOCIETY; AND LATE SCHULAR OF TRINITY COLLEGE, CAMBRIDGE.

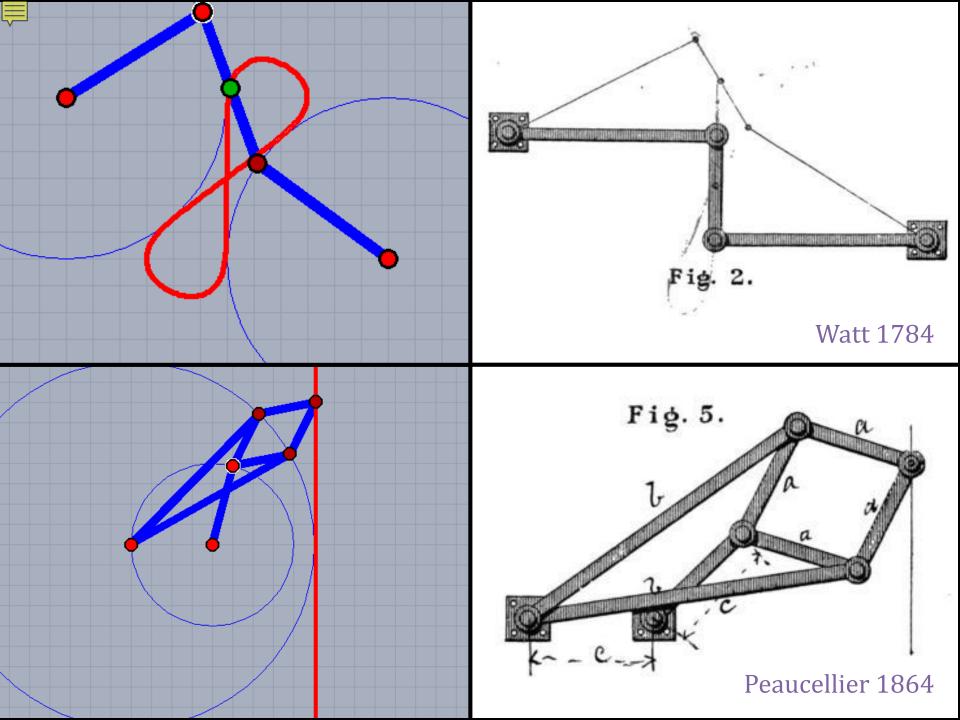
#### WITH NUMEROUS ILLUSTRATIONS.



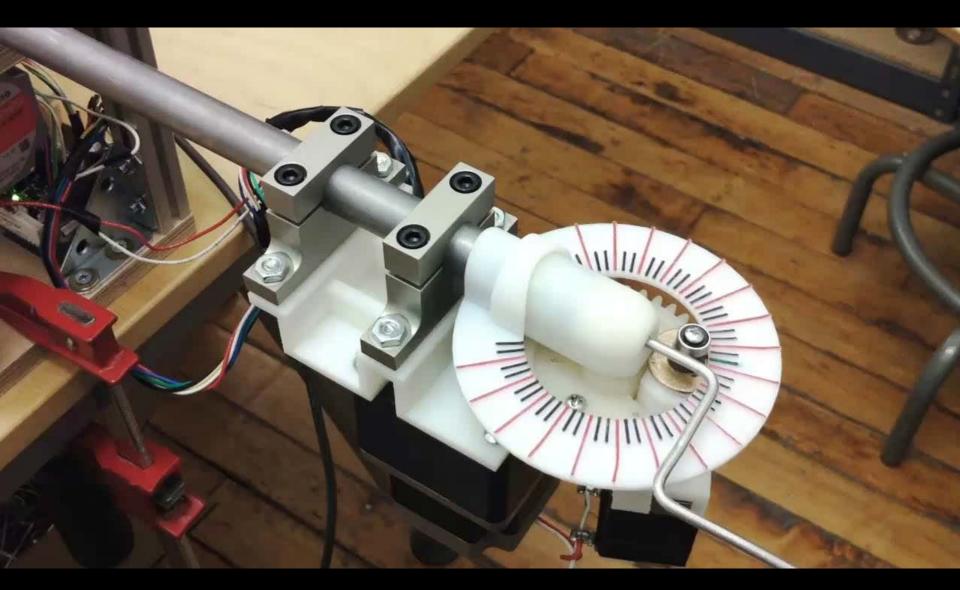
1877.

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16. Digitized by Google 187.







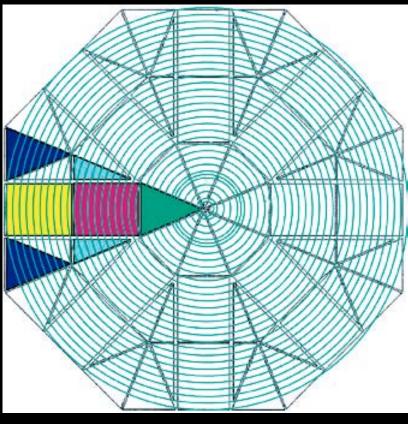
## DIWire [Pensa, 2012]



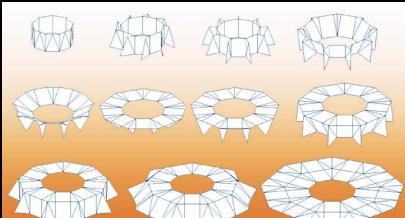


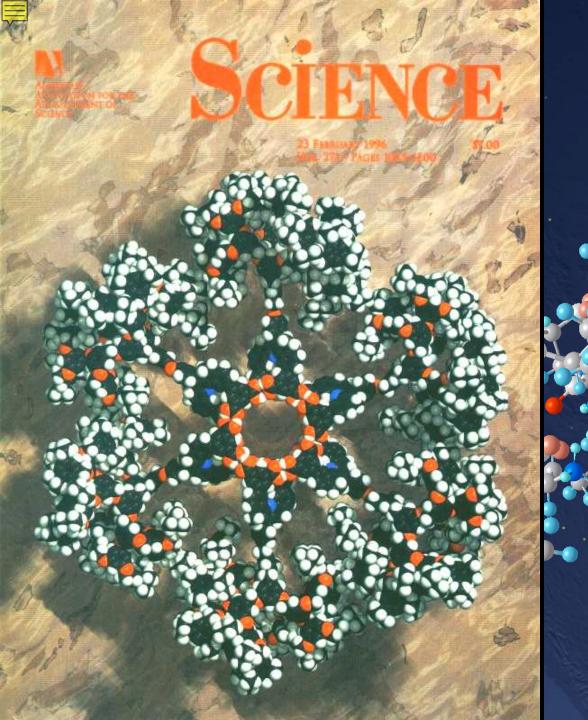
[You & Kuribayashi 2003]





## [Lang & LLNL 2002]





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folding@home



Nazgul 8.1 Jason Ku 2011

photo by Jason Ku

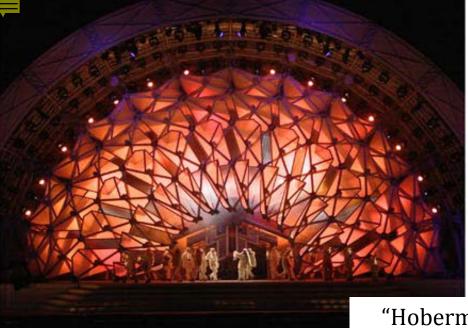
**Cerberus** Satoshi Kamiya 2005

photo by Brian Chan



Demaine & Demaine

Renwick Gallery, Smithsonian American Art Museum, 2012



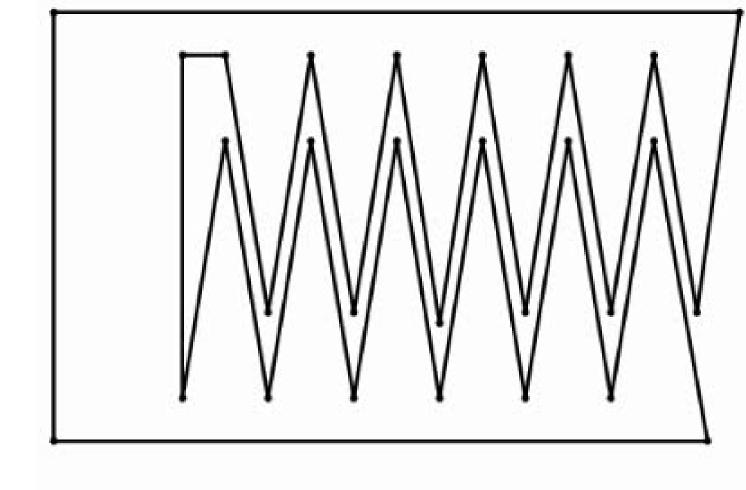


"Hoberman Arch" Hoberman Associates Salt Lake City, 2002

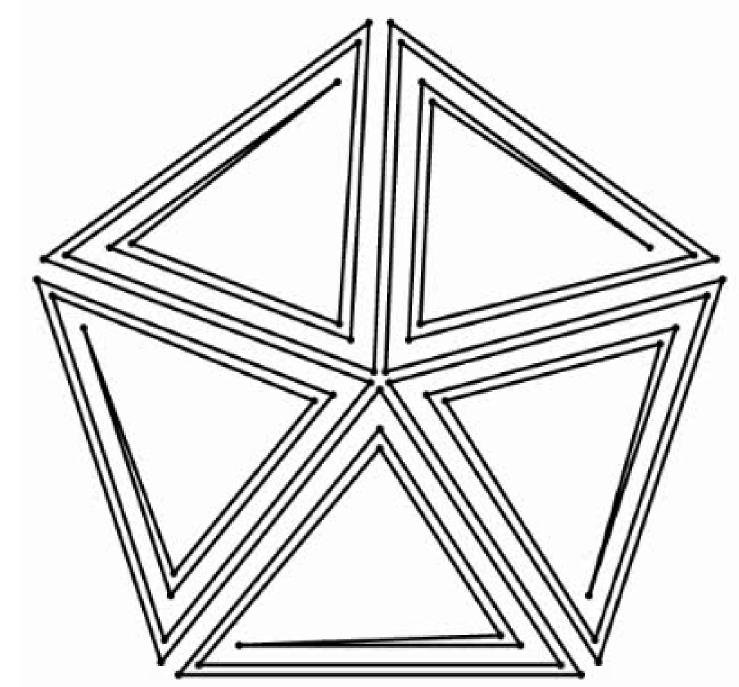




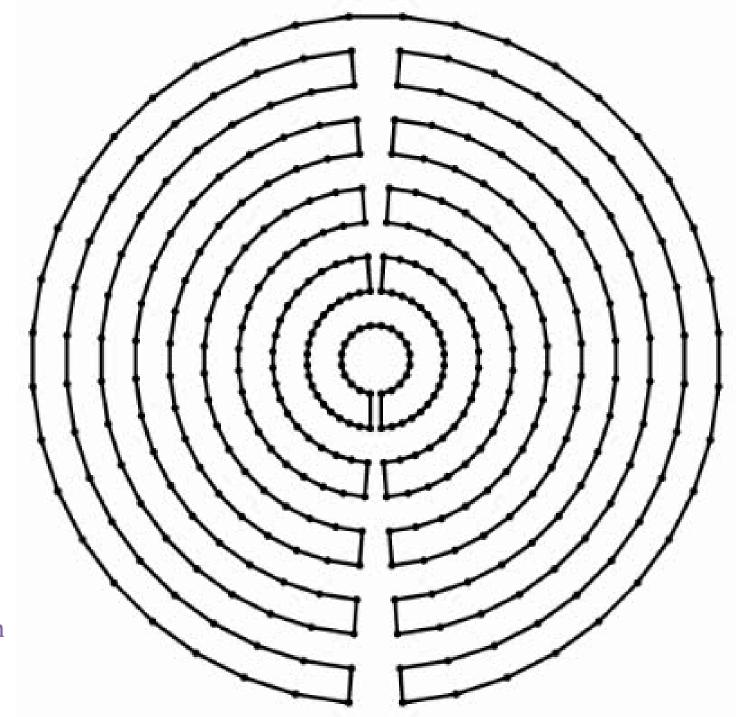




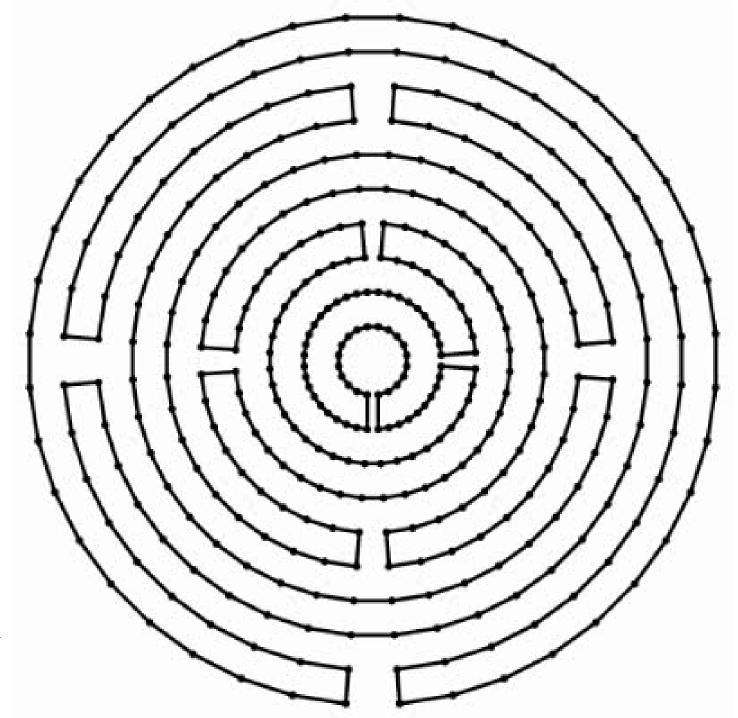




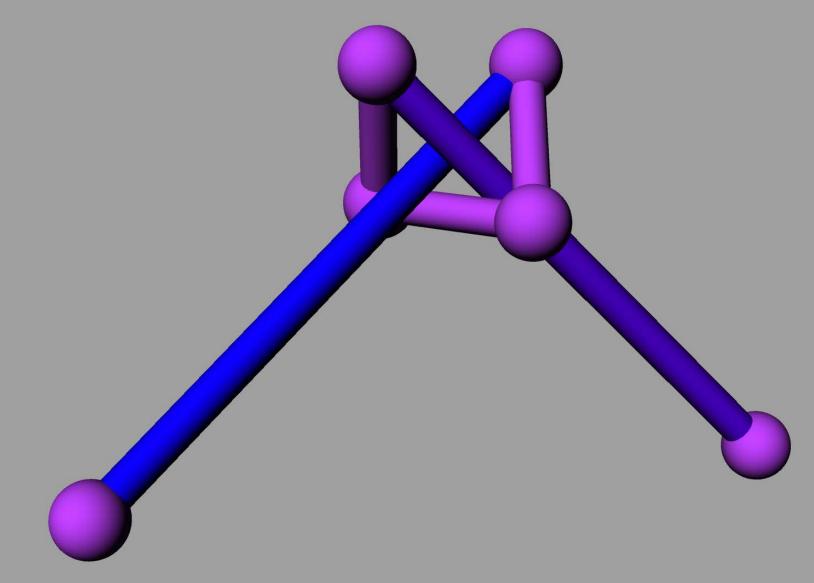






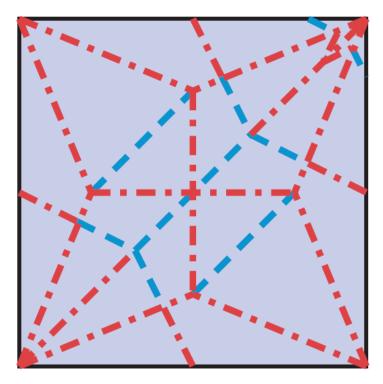


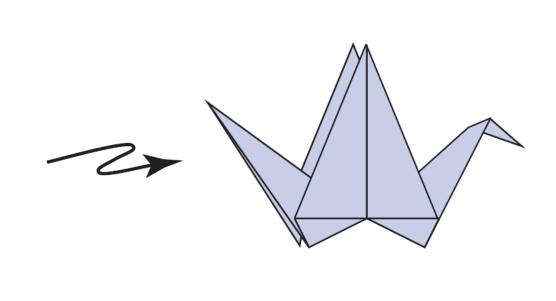




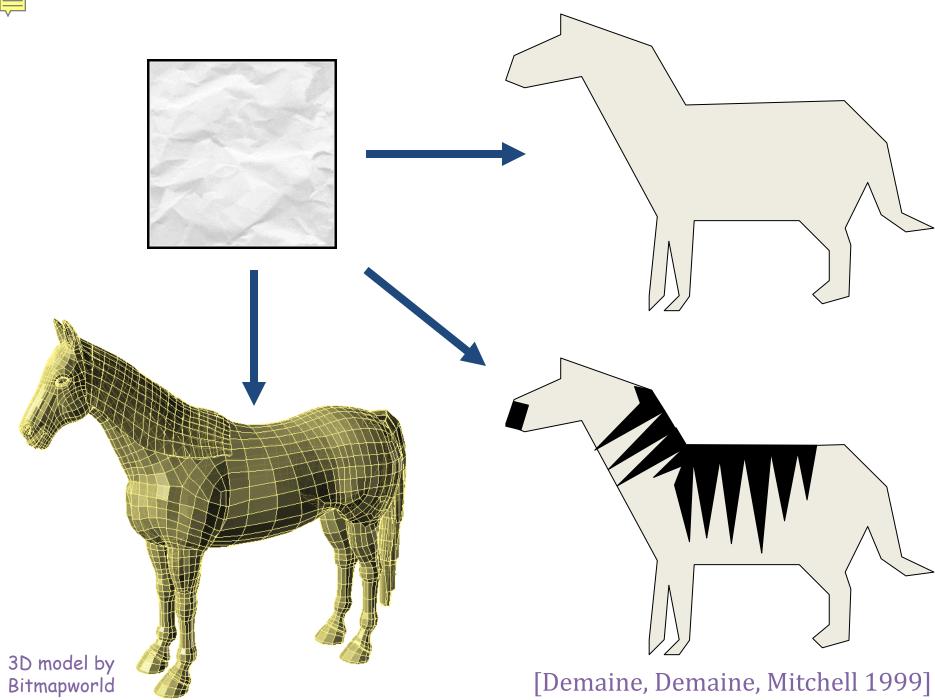
[Cantarella & Johnston 1998]









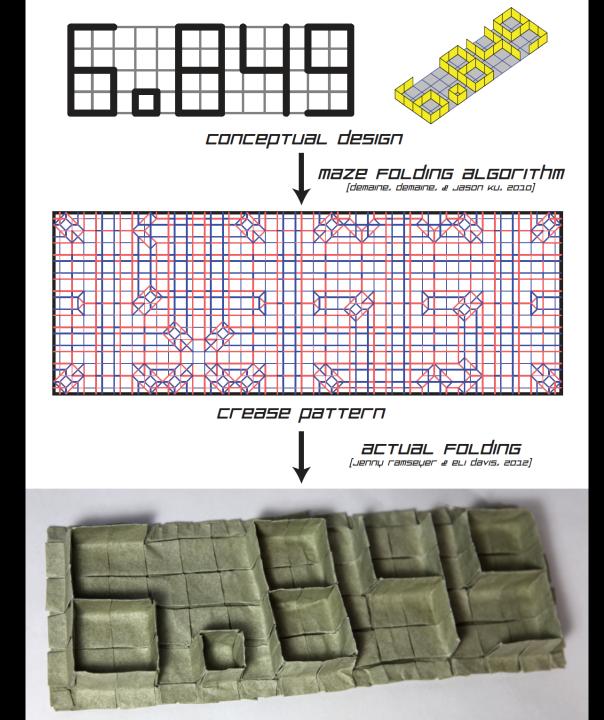


# Origamizer

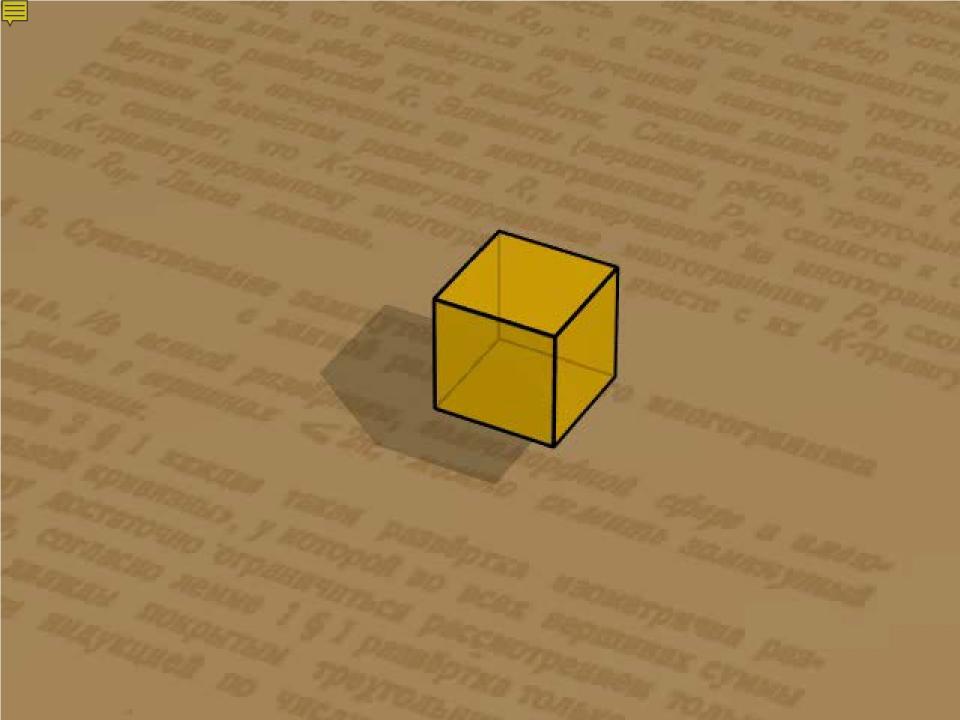
[Tachi 2006; Demaine & Tachi 2009–2012]

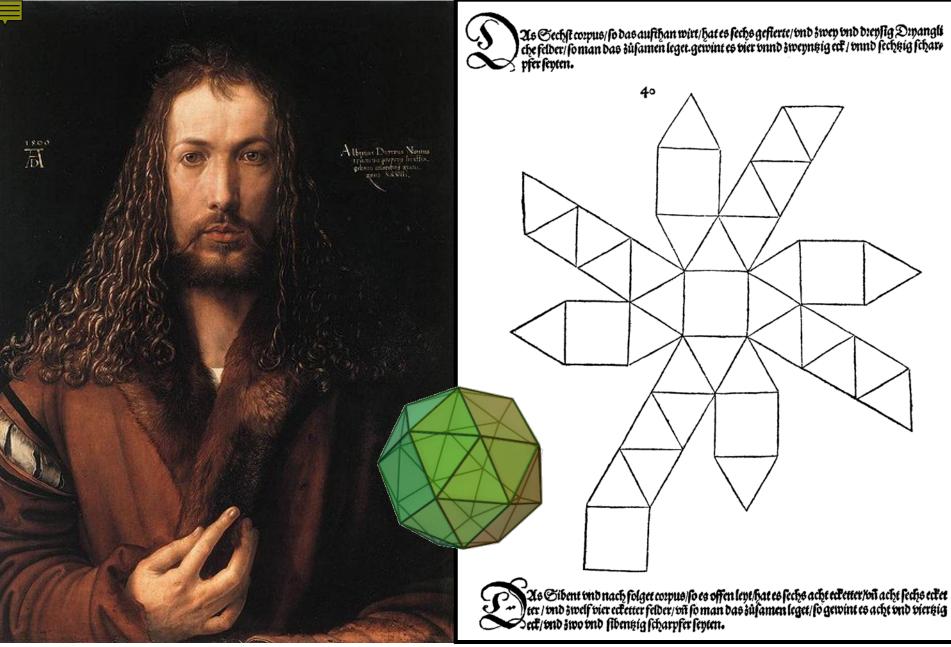
Tomohiro Tachi





## Metamorphosis of the Cube Demaine, Demaine, Lubiw, O'Rourke, Pashchenko 1999



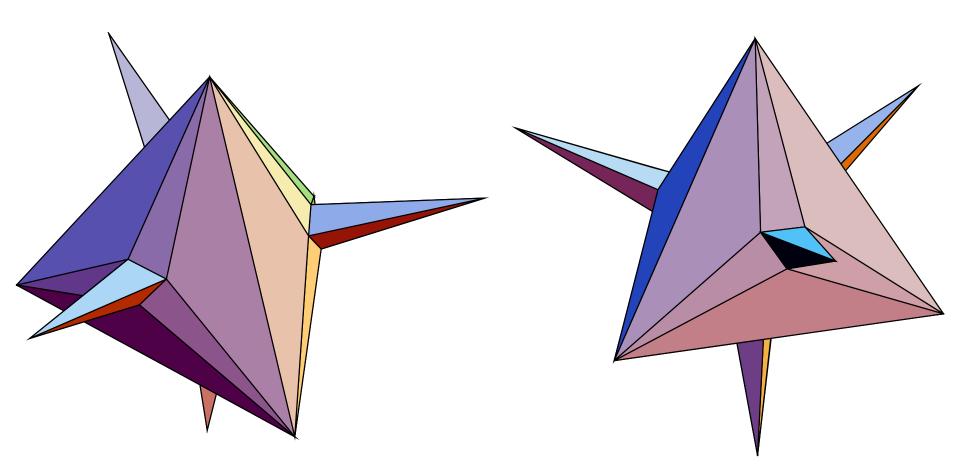


Albrecht Dürer (self-portrait)

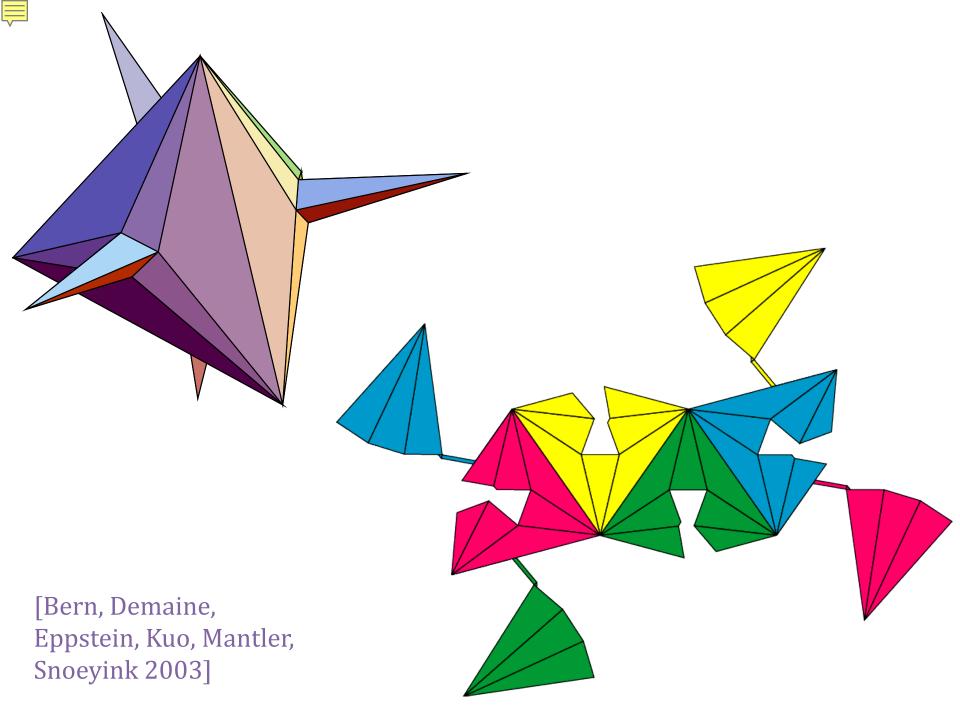
The Painter's Manual [1525]

Snub Cube drawn by Cyp, licensed under Creative Commons Attribution-Share Alike 3.0 Unported

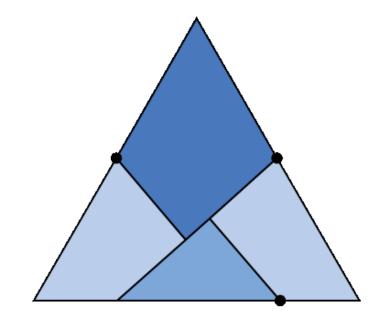


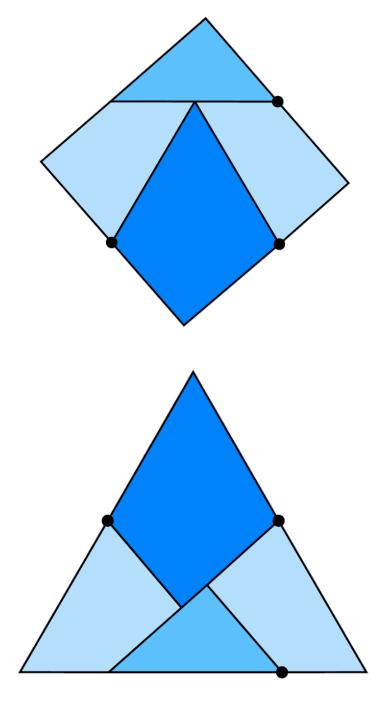


[Bern, Demaine, Eppstein, Kuo, Mantler, Snoeyink 2003]

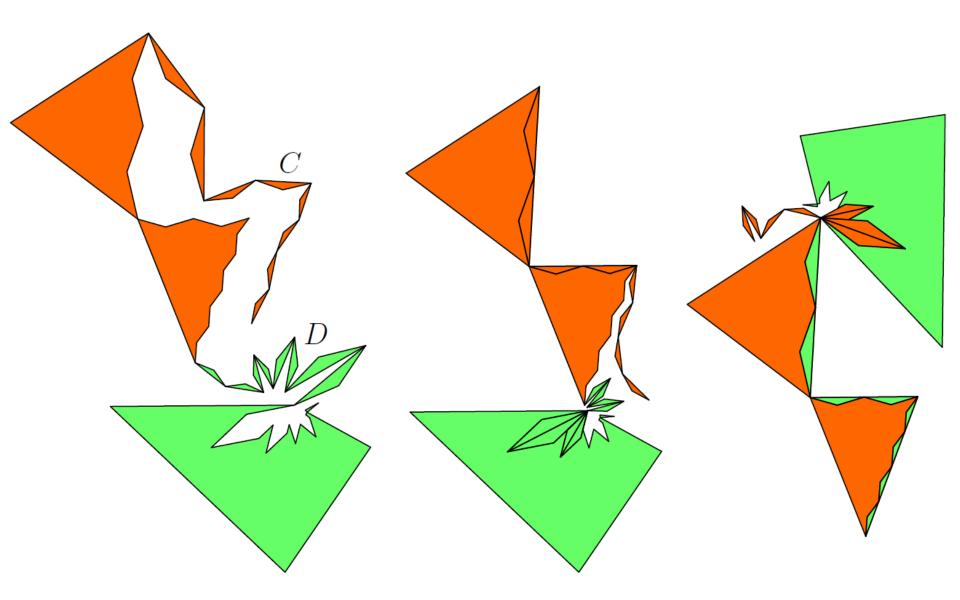












[Abbott, Abel, Charlton, Demaine, Demaine, Kominers 2010]

**The Helium Stockpile** [Demaine, Demaine, Palmer 2006]