



NATURE SERIES.

HOW TO DRAW A STRAIGHT LINE;

A

LECTURE ON LINKAGES.

BY

A. B. KEMPE, B.A.,

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

WITH NUMEROUS ILLUSTRATIONS.

London :
1877.

Watt 1764

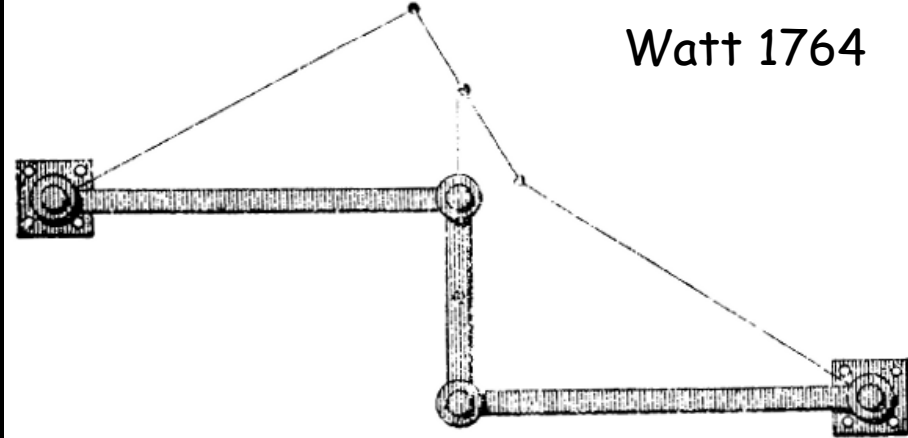
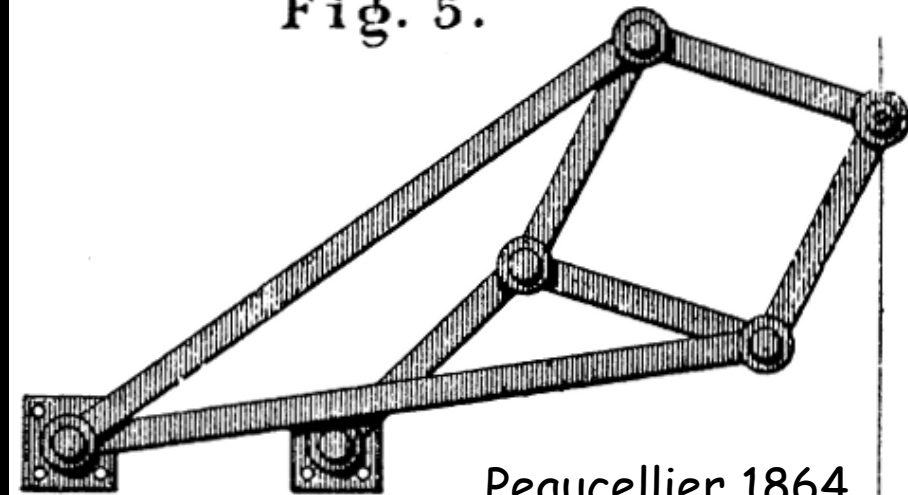


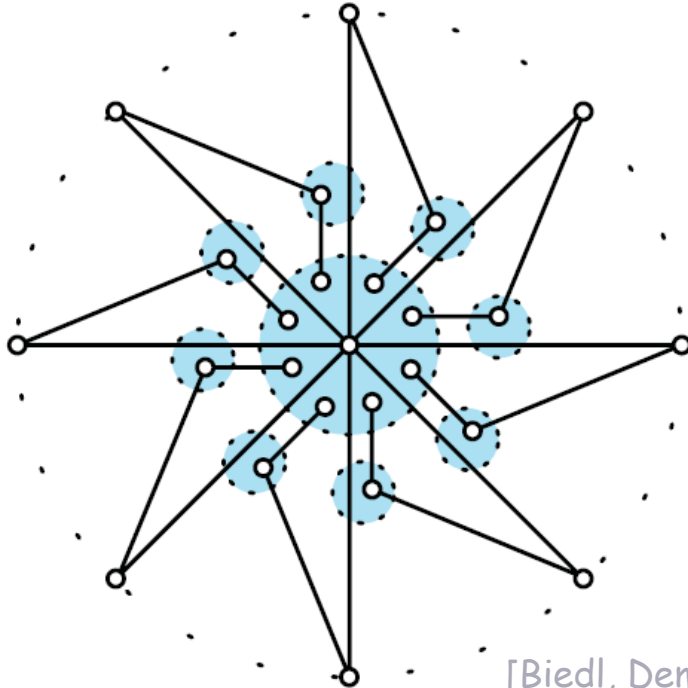
Fig. 2.

Fig. 5.

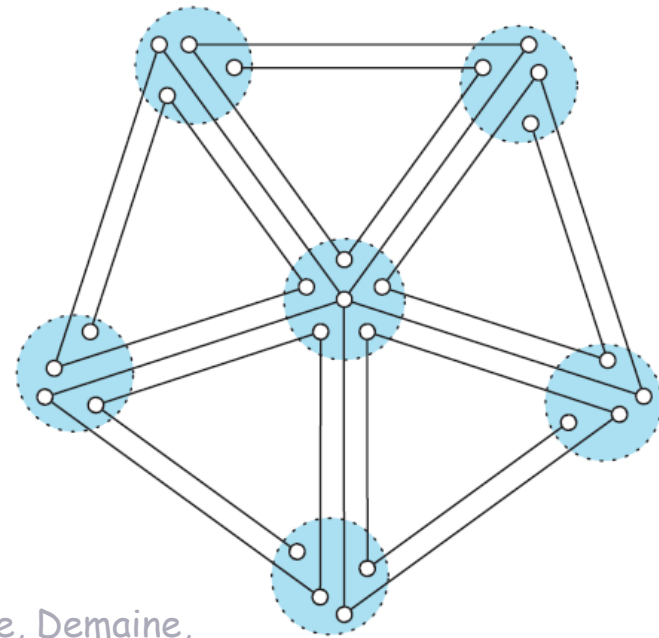


Peaucellier 1864

Gutenberg edition produced by
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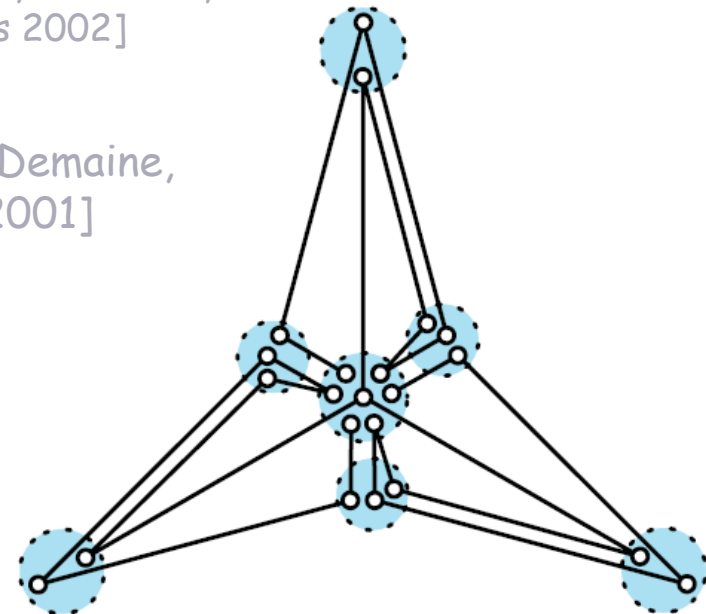
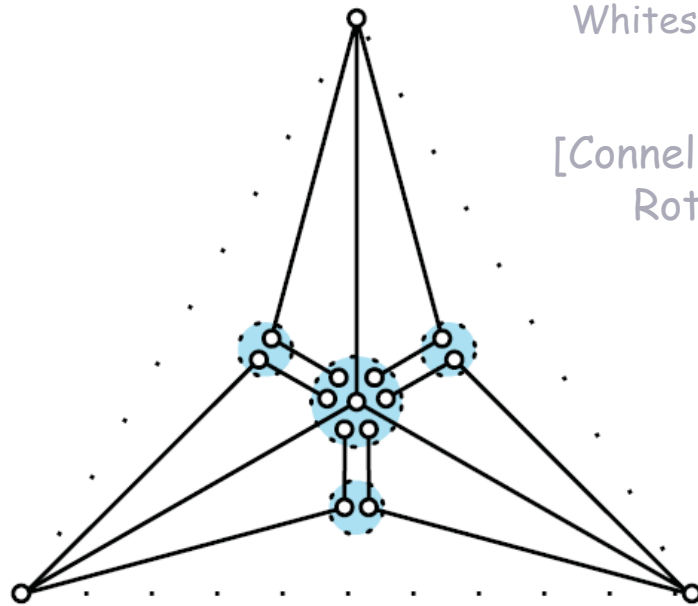


(a)

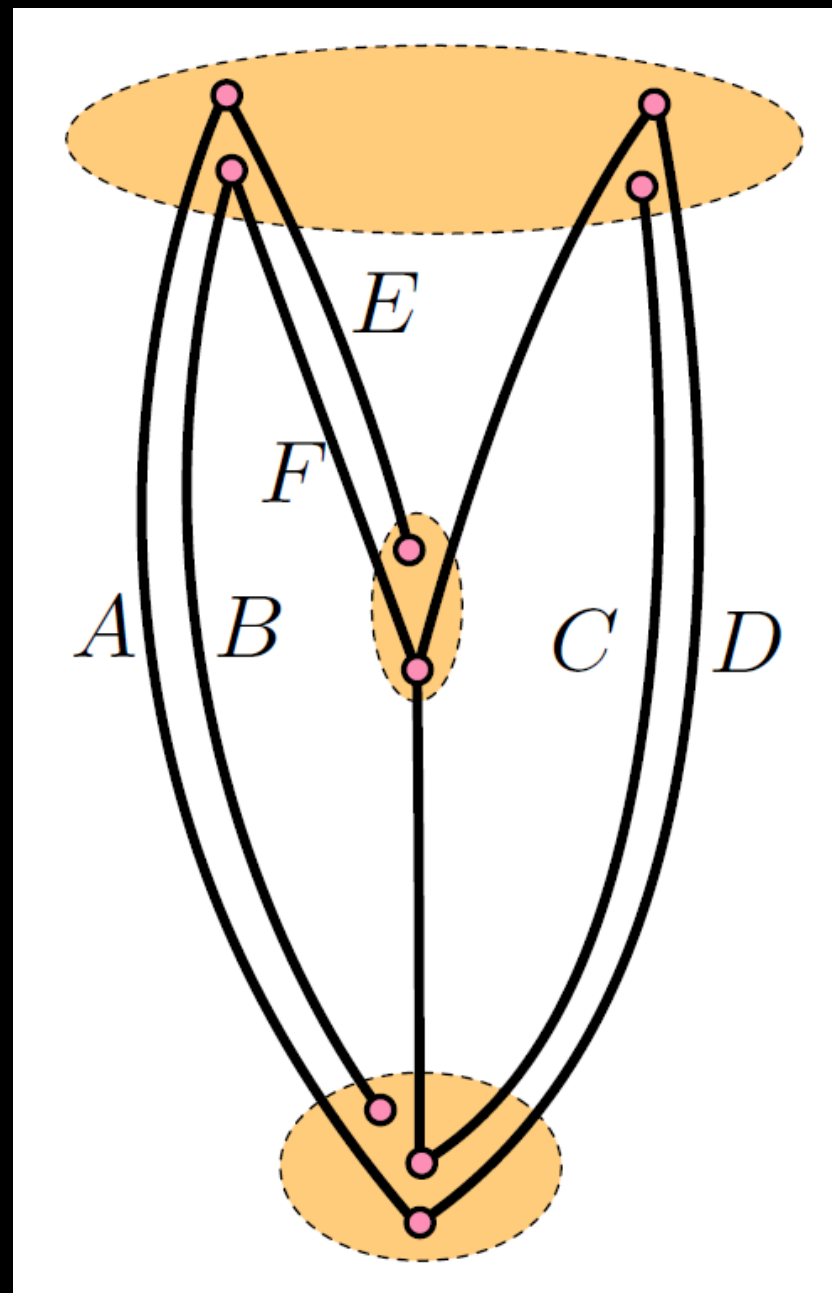


(b)

[Biedl, Demaine, Demaine,
Lazard, Lubiw, O'Rourke,
Robbins, Streinu, Toussaint,
Whitesides 2002]



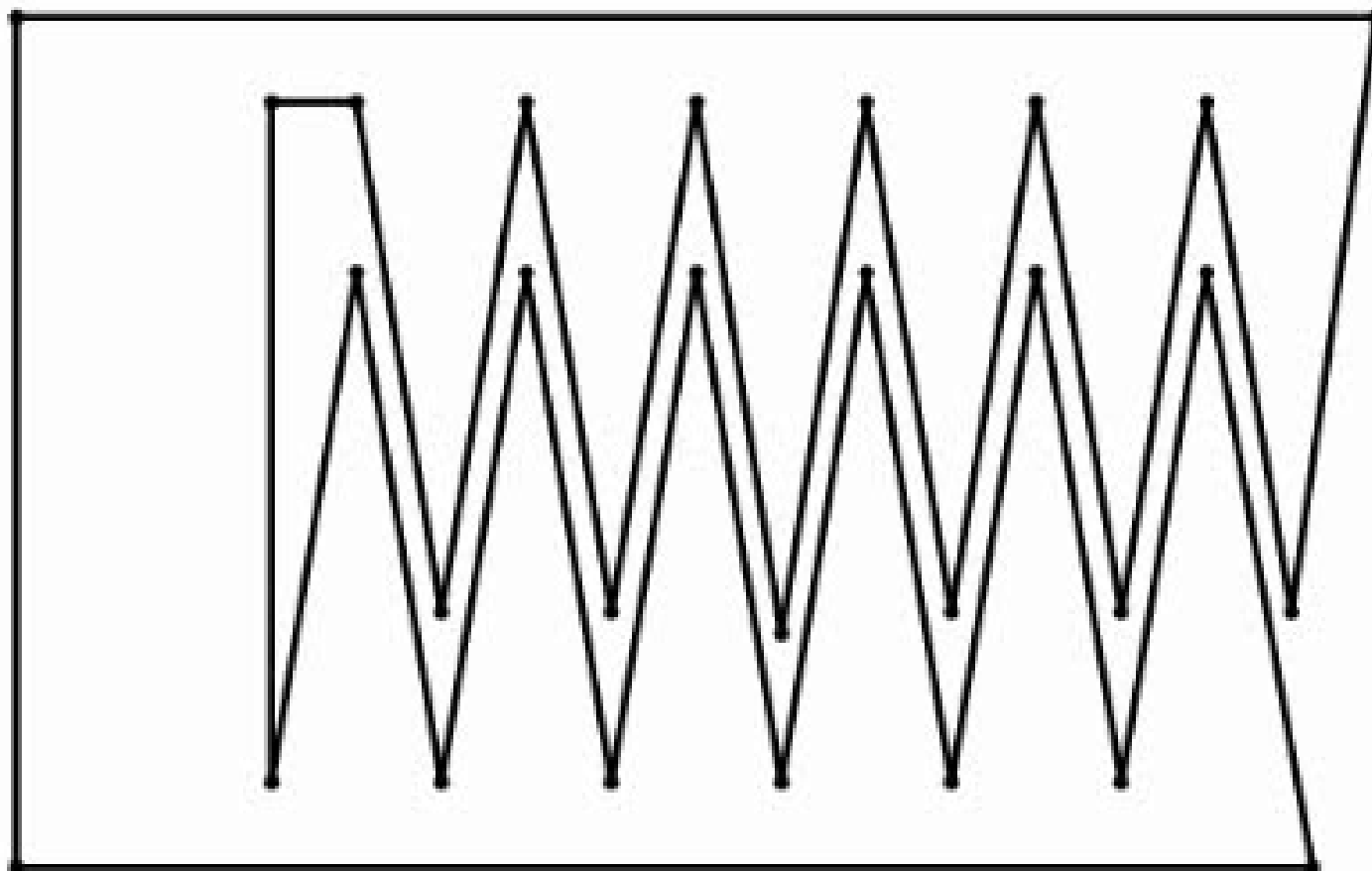
[Connelly, Demaine,
Rote 2001]

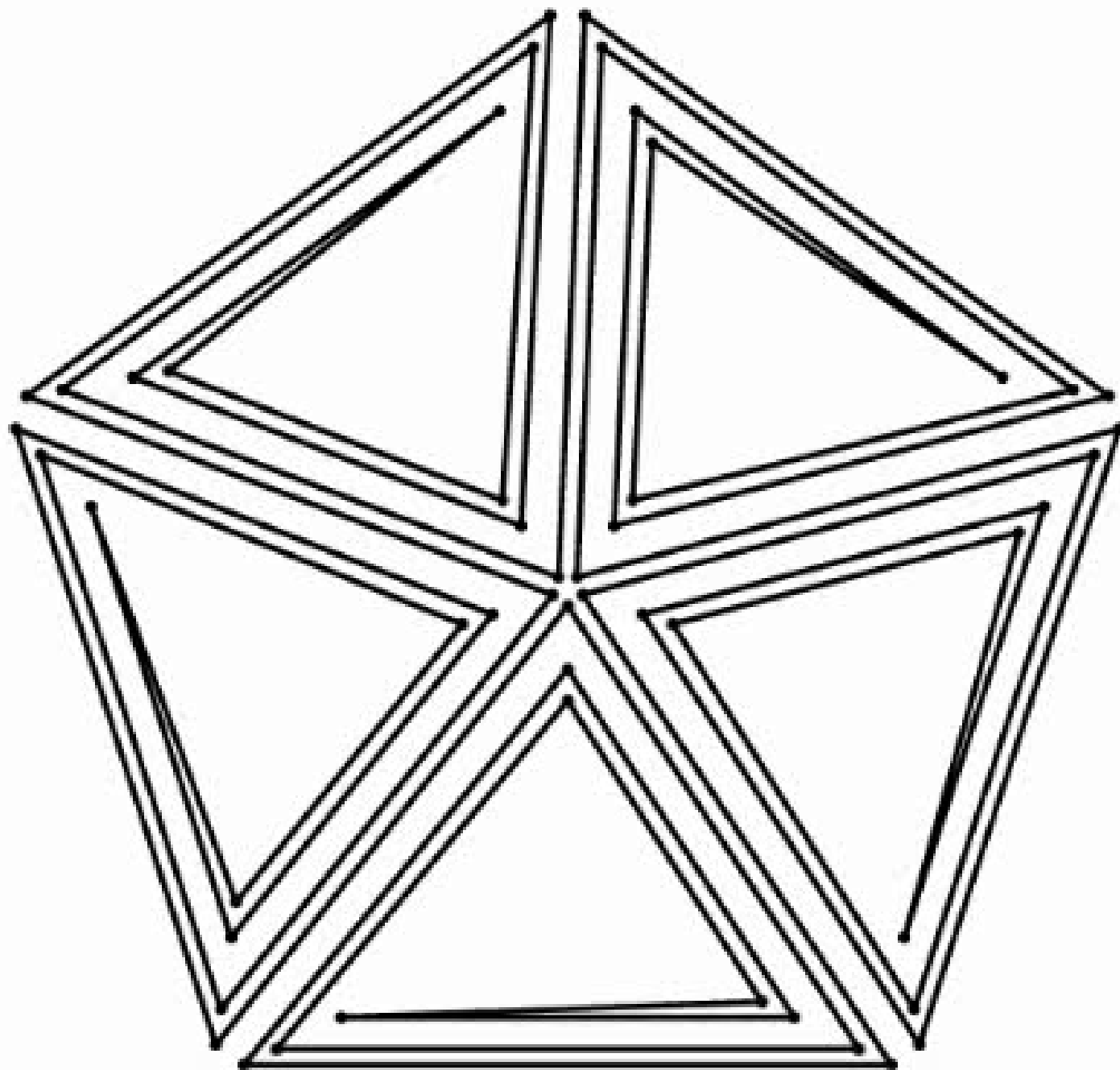


[Ballinger, Charlton,
Demaine, Demaine,
Iacono, Liu, Poon
2009]

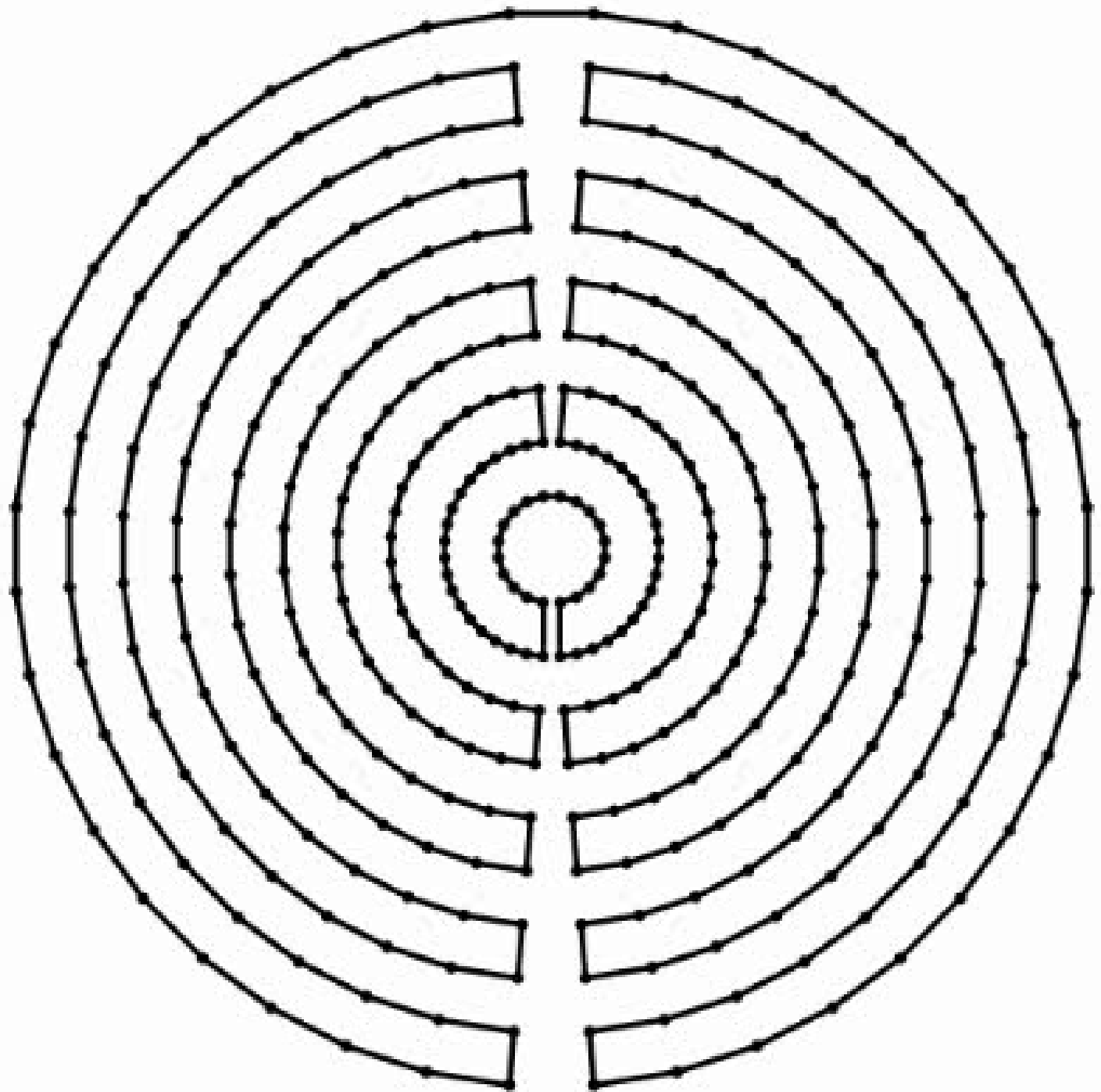


[Cantarella,
Demaine,
Iben,
O'Brien
2004]

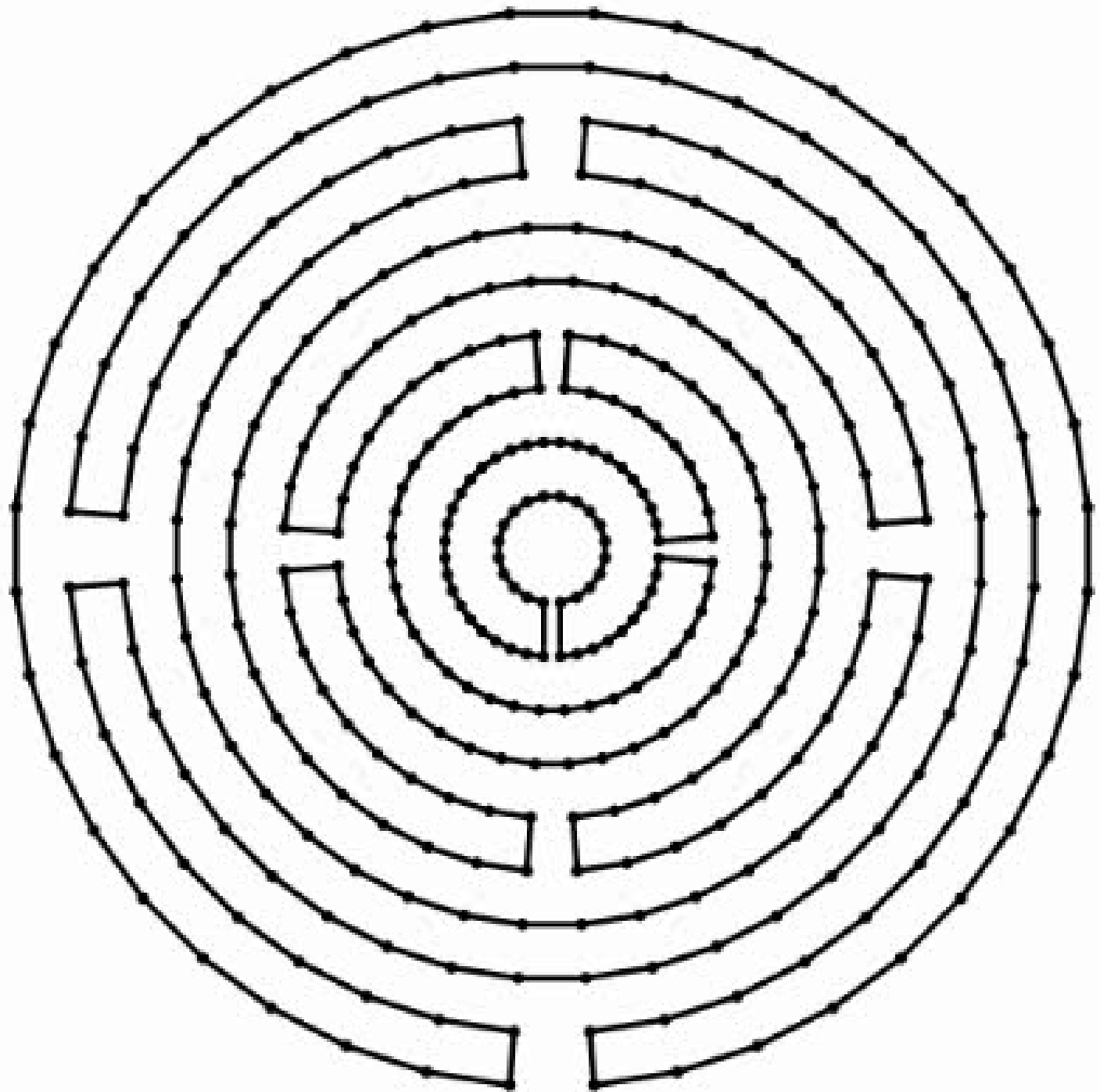




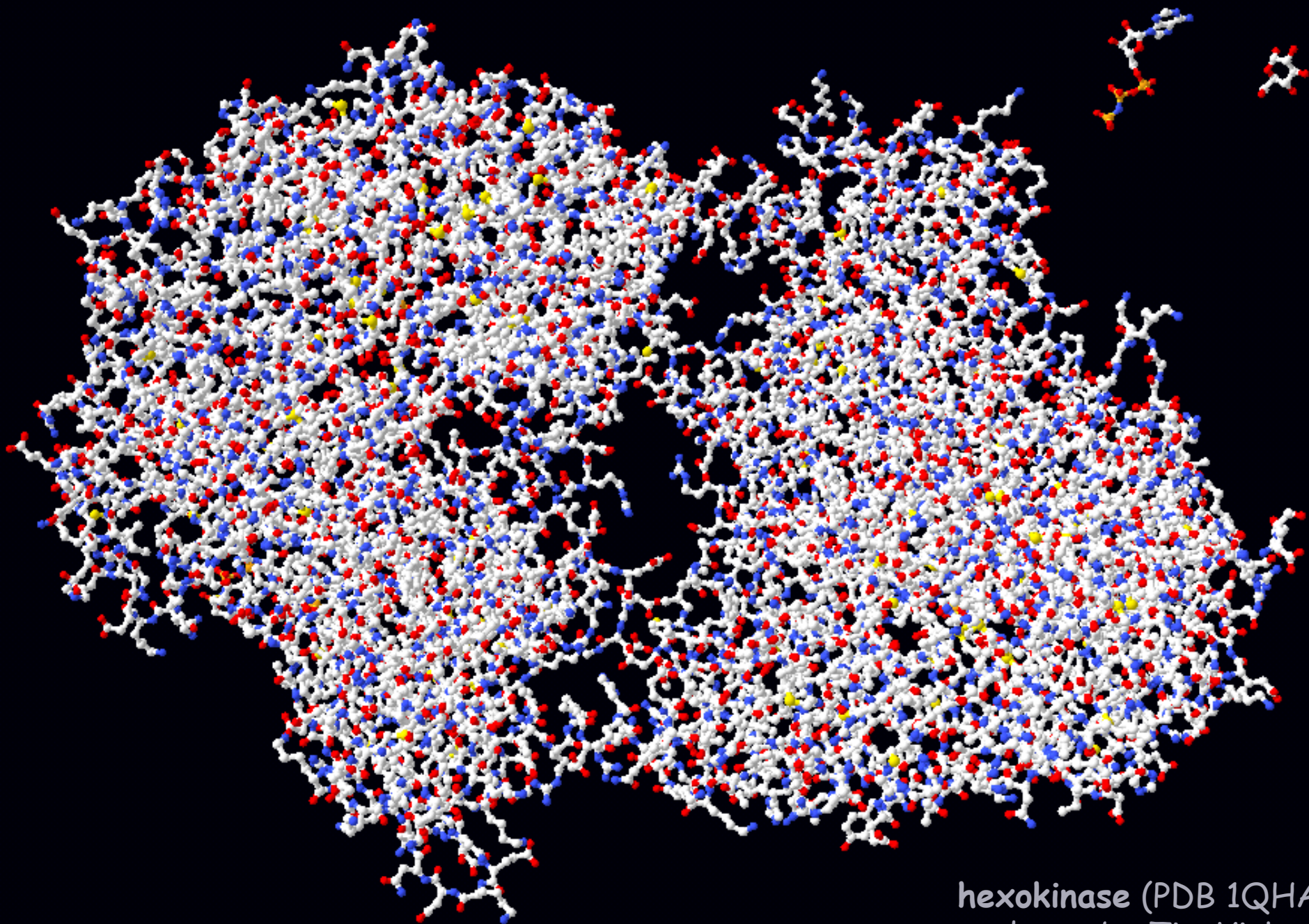
[Cantarella,
Demaine,
Iben,
O'Brien
2004]



[Cantarella,
Demaine,
Iben,
O'Brien
2004]



[Cantarella,
Demaine,
Iben,
O'Brien
2004]

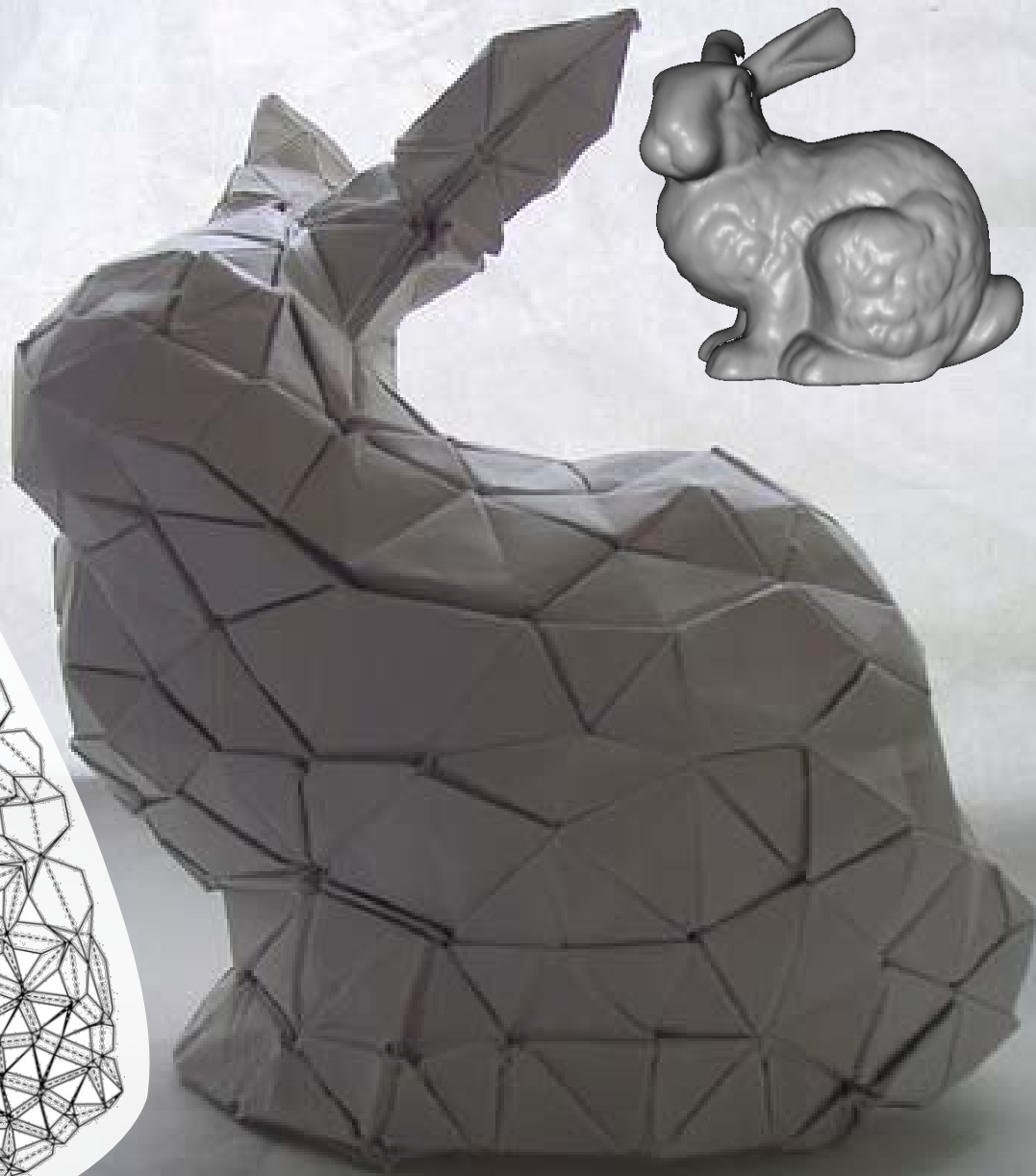
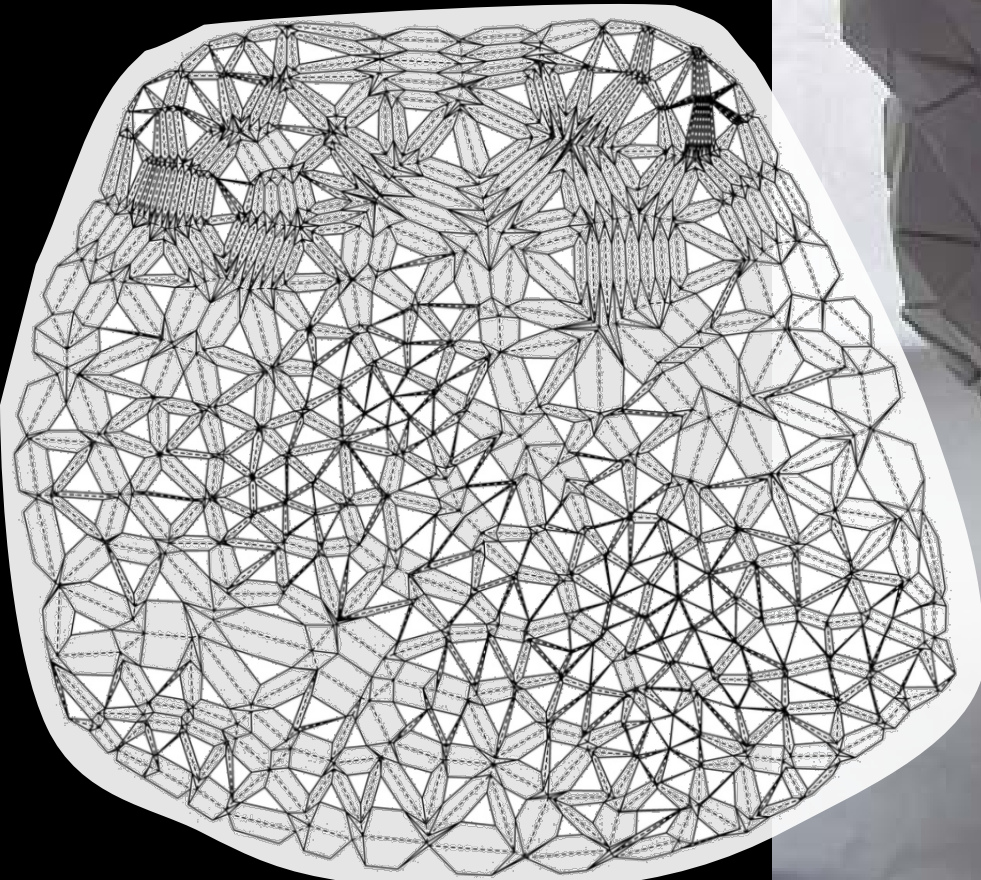


hexokinase (PDB 1QHA)
drawn by Tim Vickers



Origamizer

[Tachi 2006;
Demaine &
Tachi 2010]



Tomohiro Tachi

Origami USA
Convention
2009



Joel Cooper



Brian Chan



Goran Konjevod





Programmable Matter by Folding

multiple shapes, compound folds



"Computational Origami"
Erik & Martin Demaine
MoMA, 2008-

Elephant hide paper
~9"x15"x7"





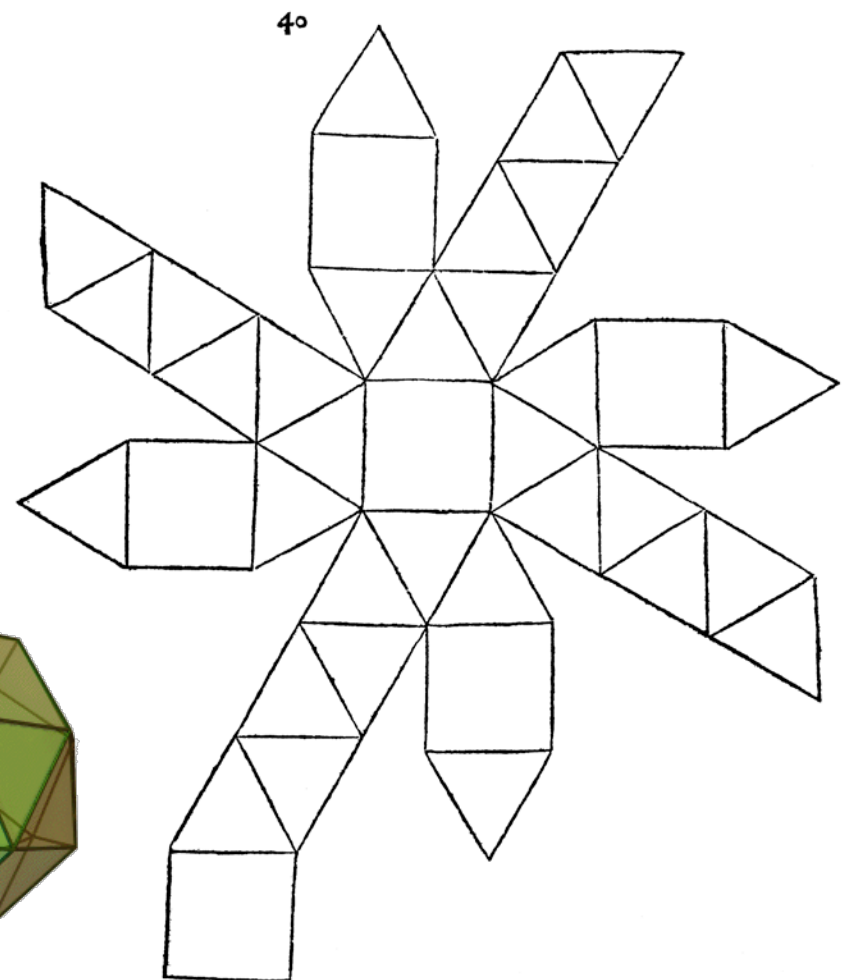
"Natural Cycles"
Erik & Martin Demaine

JMM Exhibition of
Mathematical Art,
San Francisco, 2010





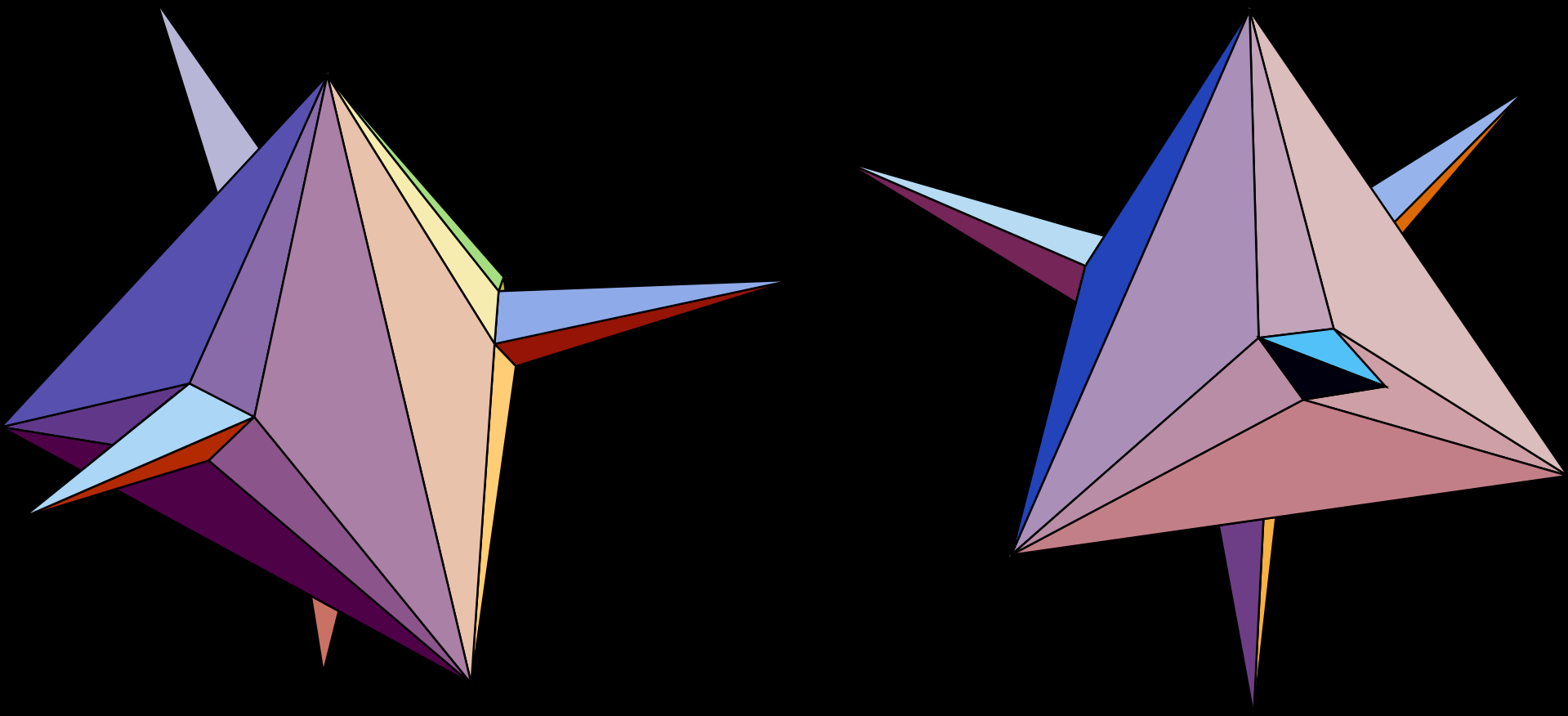
Das Sechst corpus/so das aufsthan wirt/hat es sechs gefierte/vnd zwey vnd dreyßig Dyangli
che selber/so man das zûsamen leget.gewint es vier vnd zweynßig eck / vnd sechßig scharp
pfer seyten.



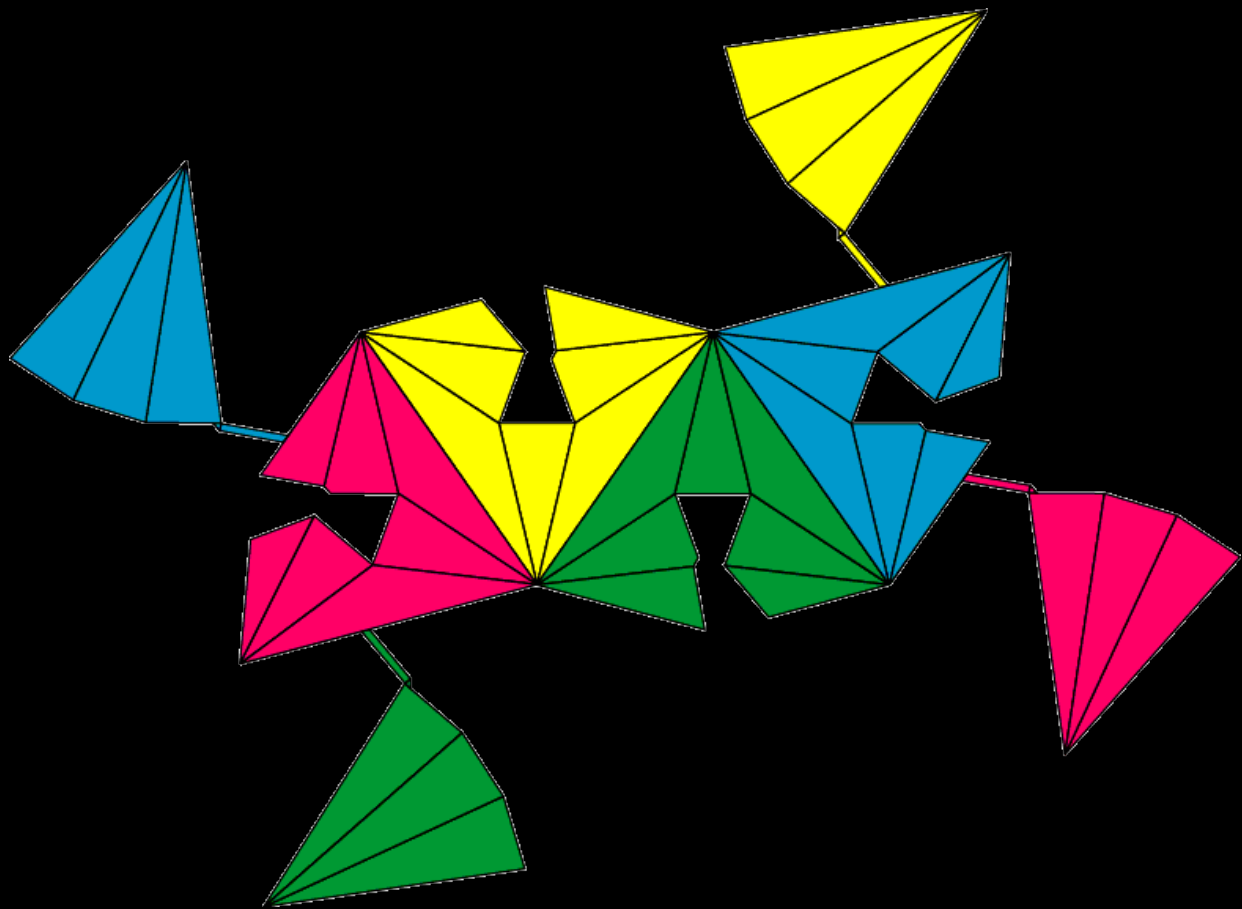
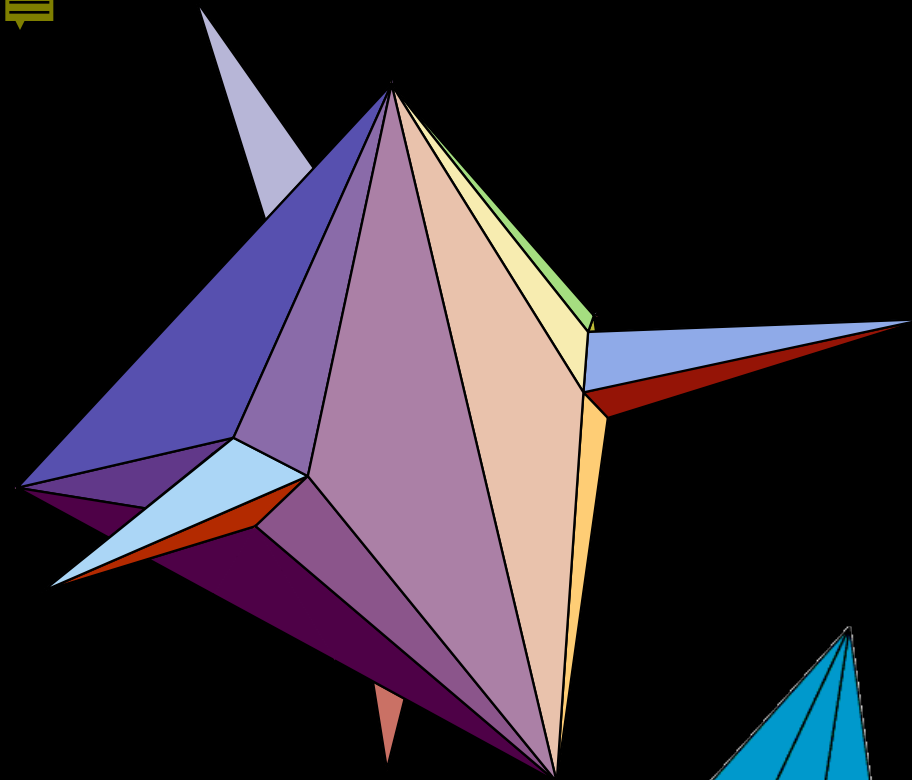
Das Sibent vnd nach folget corpus/so es offen leyt/hat es sechs achte ecketer/vñ achte sechs eck
ter / vnd zwelf vier ecketer felder/vñ so man das zûsamen leget/so gewint es achte vnd vierßig
eck/vnd zwo vnd sibenzig scharpfer seyten.

Albrecht Dürer (self-portrait)

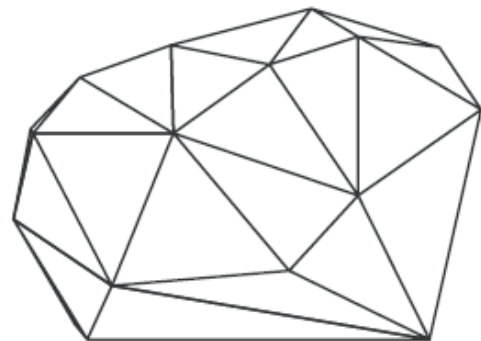
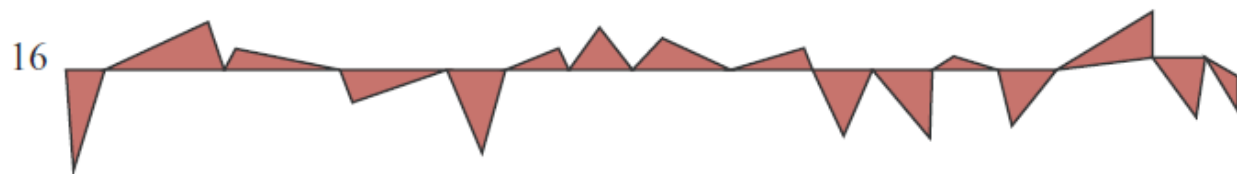
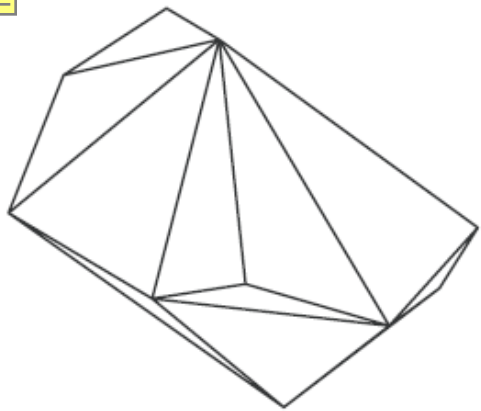
The Painter's Manual [1525]



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



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

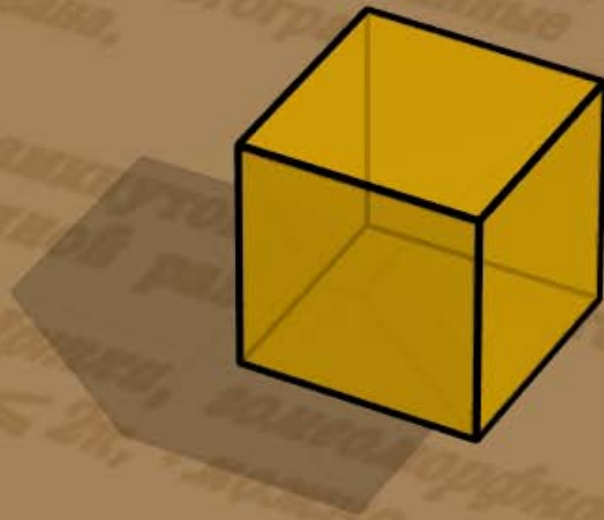


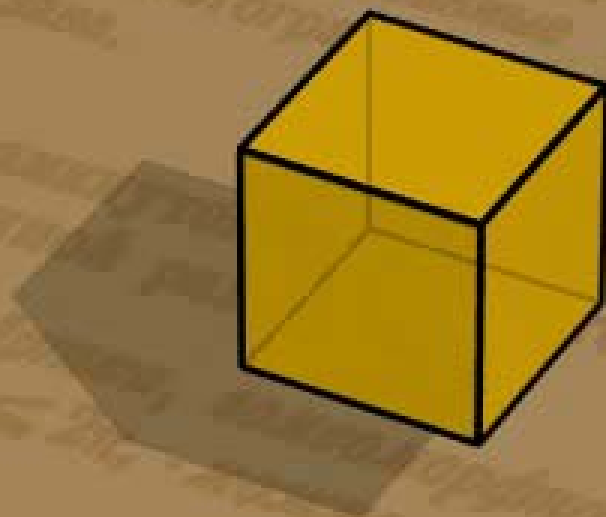
[Demaine, Eppstein, Erickson, Hart, O'Rourke 2003]

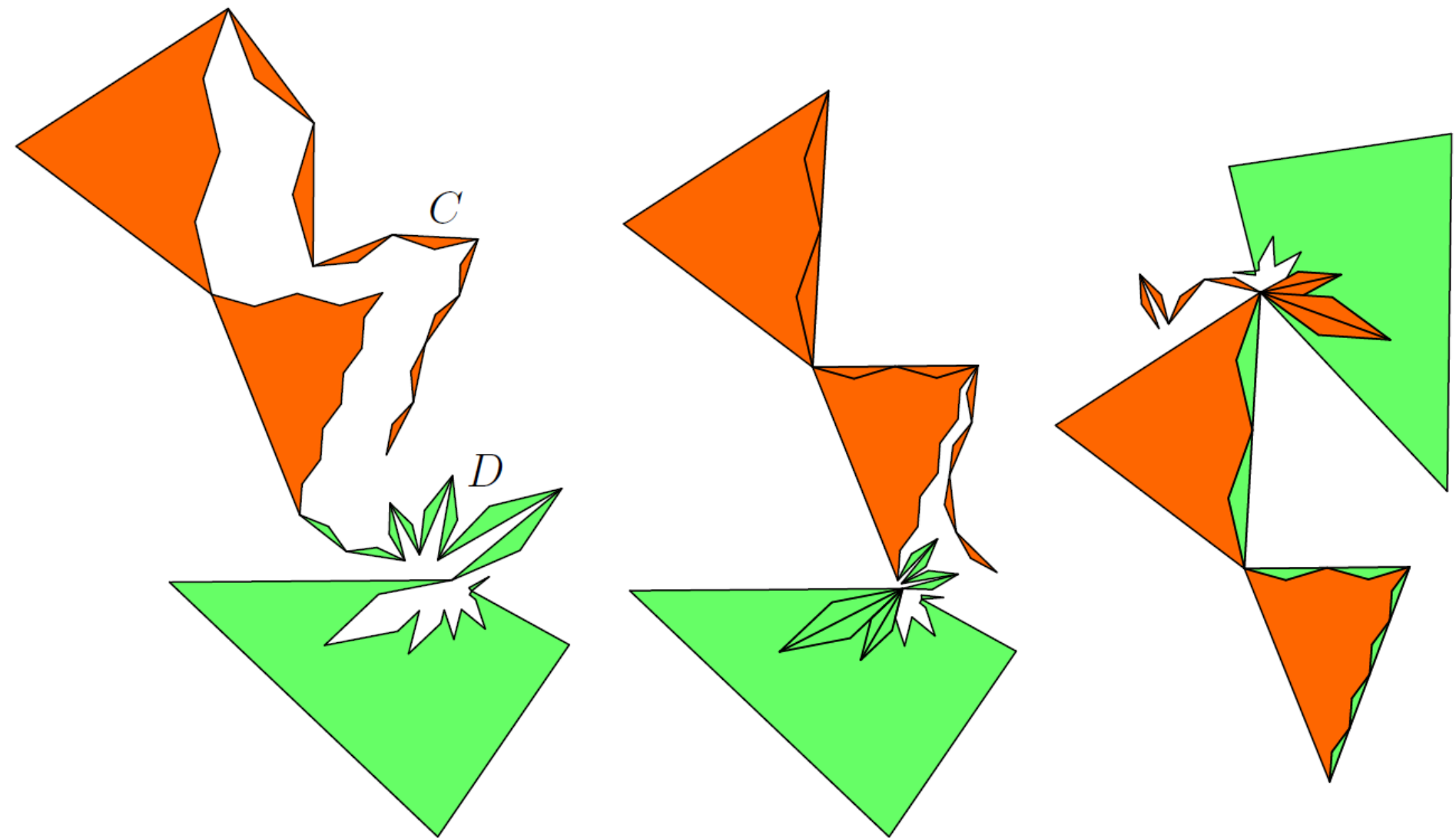


Metamorphosis of the Cube

Demaine, Demaine, Lubiw, O'Rourke, Pashchenko 1999







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

The Helium Stockpile

[Demaine, Demaine,
Palmer 2006]

