NATURE SERIES.

HOW TO DRAW A STRAIGHT LINE;

A

LECTURE ON LINKAGES.

BY

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WITH NUMEROUS ILLUSTRATIONS.

London:
1877.

Watt 1764

Peaucellier 1864

Fig. 2.

Fig. 5.
[Biedl, Demaine, Demaine, Lazard, Lubiw, O’Rourke, Robbins, Streinu, Toussaint, Whitesides 2002]
[Connelly, Demaine, Rote 2001]
Image by MIT OpenCourseWare.
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hexokinase (PDB 1QHA)
drawn by Tim Vickers

This image is in the public domain.
Origamizer
[Tachi 2006; Demaine & Tachi 2010]

Courtesy of Stanford University Computer Graphics Laboratory. Used with permission.

Tomohiro Tachi

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Programmable Matter by Folding

multiple shapes, compound folds
Elephant hide paper
~9”x15”x7”
"Natural Cycles"
Erik & Martin Demaine

JMM Exhibition of Mathematical Art, San Francisco, 2010
Dürer's self-portrait and scan of Dürer's *The Painter's Manual* are in the public domain.

Albrecht Dürer (self-portrait)

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

The Painter's Manual [1525]
[Bern, Demaine, Eppstein, Kuo, Mantler, Snoeyink 2003]

Image by MIT OpenCourseWare.
See also [http://erikdemaine.org/papers/Ununfoldable/](http://erikdemaine.org/papers/Ununfoldable/).
[Bern, Demaine, Eppstein, Kuo, Mantler, Snoeyink 2003]

Images by MIT OpenCourseWare. See also http://erikdemaine.org/papers/Ununfoldable/.
Images by MIT OpenCourseWare.
See also http://erikdemaine.org/papers/VertexUnfolding_Kuperberg2003/.

[Demaine, Eppstein, Erickson, Hart, O'Rourke 2003]
Metamorphosis of the Cube

Demaine, Demaine, Lubiw, O’Rourke, Pashchenko 1999

To view video: http://erikdemaine.org/metamorphosis/
To view video: http://erikdemaine.org/metamorphosis/.
Hinged Blocks

The Helium Stockpile
[Demaine, Demaine, Palmer 2006]

See also http://erikdemaine.org/papers/HingedPolyforms3D_Leonardo/.