

Model Thinking

Scott E Page

Recombination

1 2 3 5 ~~7~~ 13

1 4 9 16 25 36

1 2 6 42 1806

1 4 36 1764

1^2 2^2 6^2 42^2

How many ways to
pick three objects
from ten?

$$\frac{10 \times 9 \times 8}{3 \times 2 \times 1} = 120$$

$$\frac{52 \cdot 51 \cdot 50 \cdot 49 \cdots 33}{20 \cdot 19 \cdot 18 \cdots 2 \cdot 1}$$

$$\frac{52*51*50*49...*33}{20*19*18*...*2*1}$$

$$20*19*18*...*2*1$$

Approximately 125 trillion

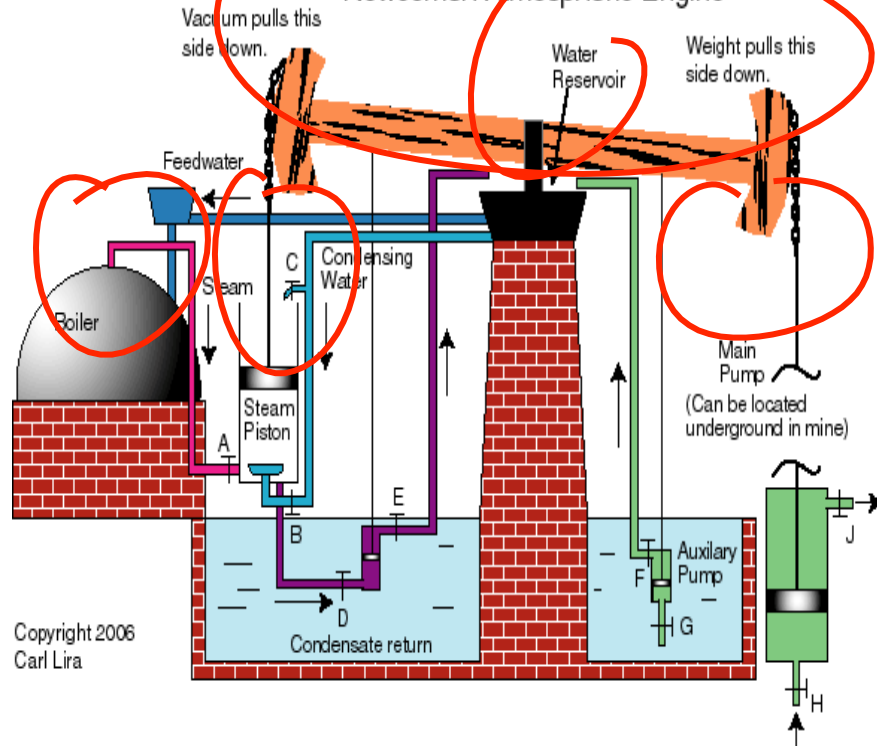
AVIL^B 1-B



Martin Weitzman
Harvard.edu

Recombinant Growth

Newcomen Atmospheric Engine



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Exaptation

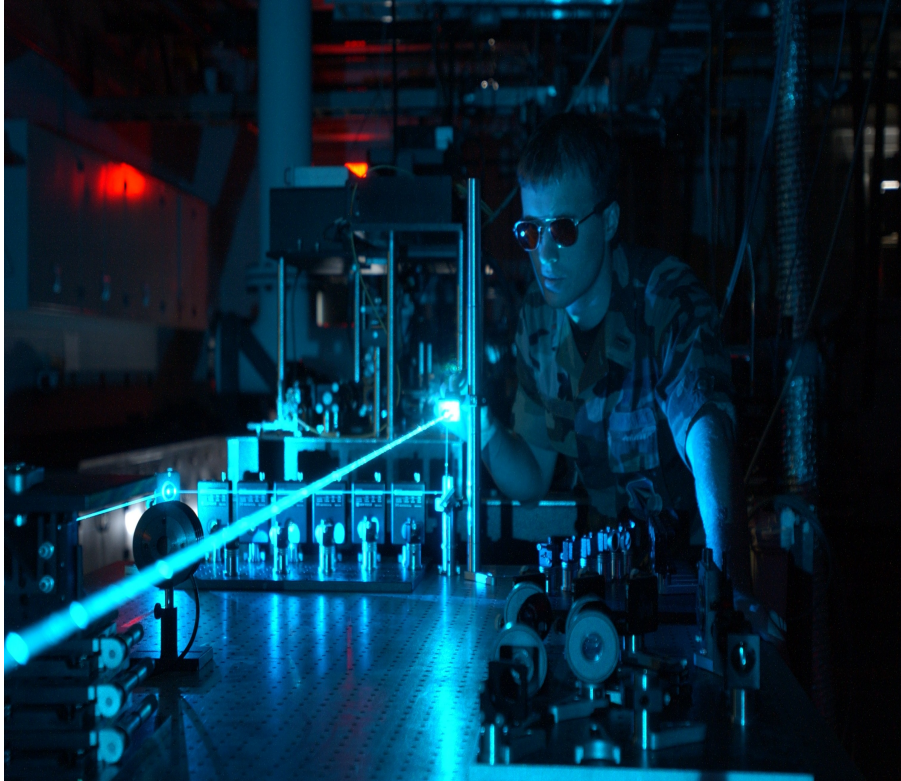
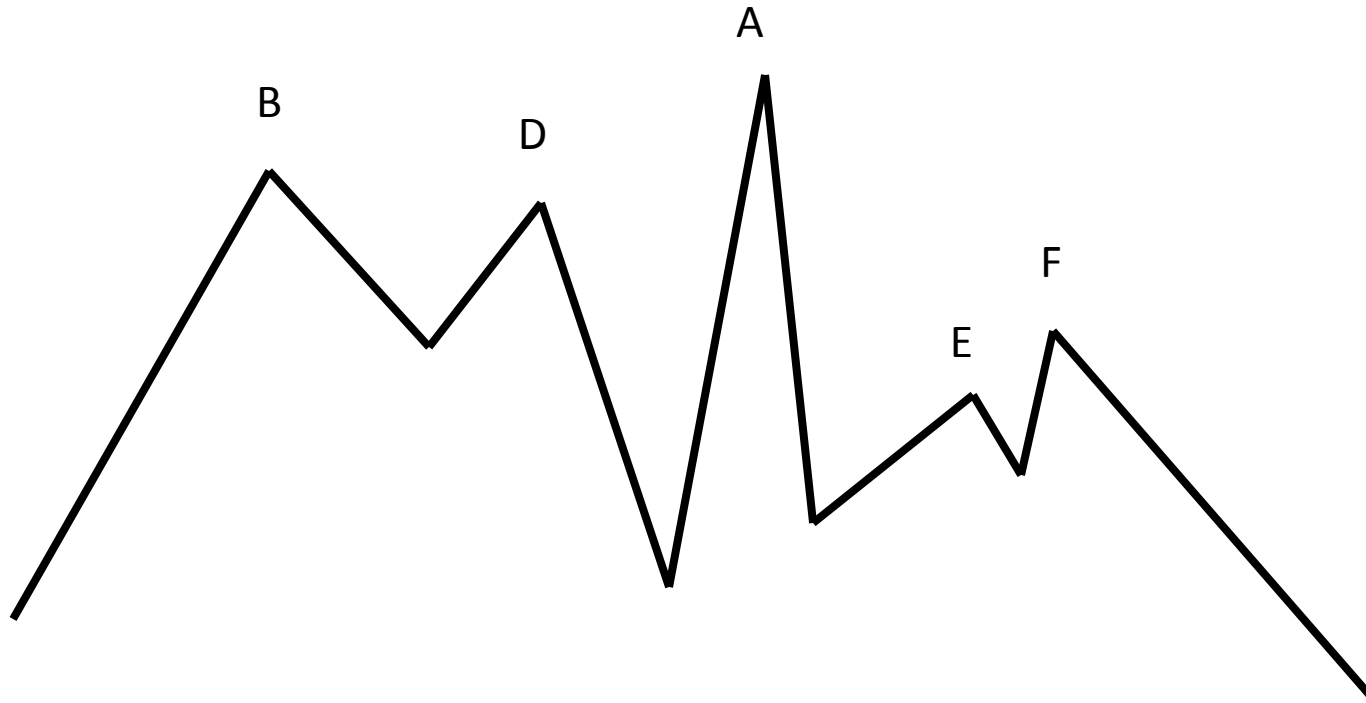


Photo: usairforce

Masticity Landscape





Joel Mokyr
Northwestern.edu

Gifts of Athena

Model Thinking

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