

# Beta-galactosidase

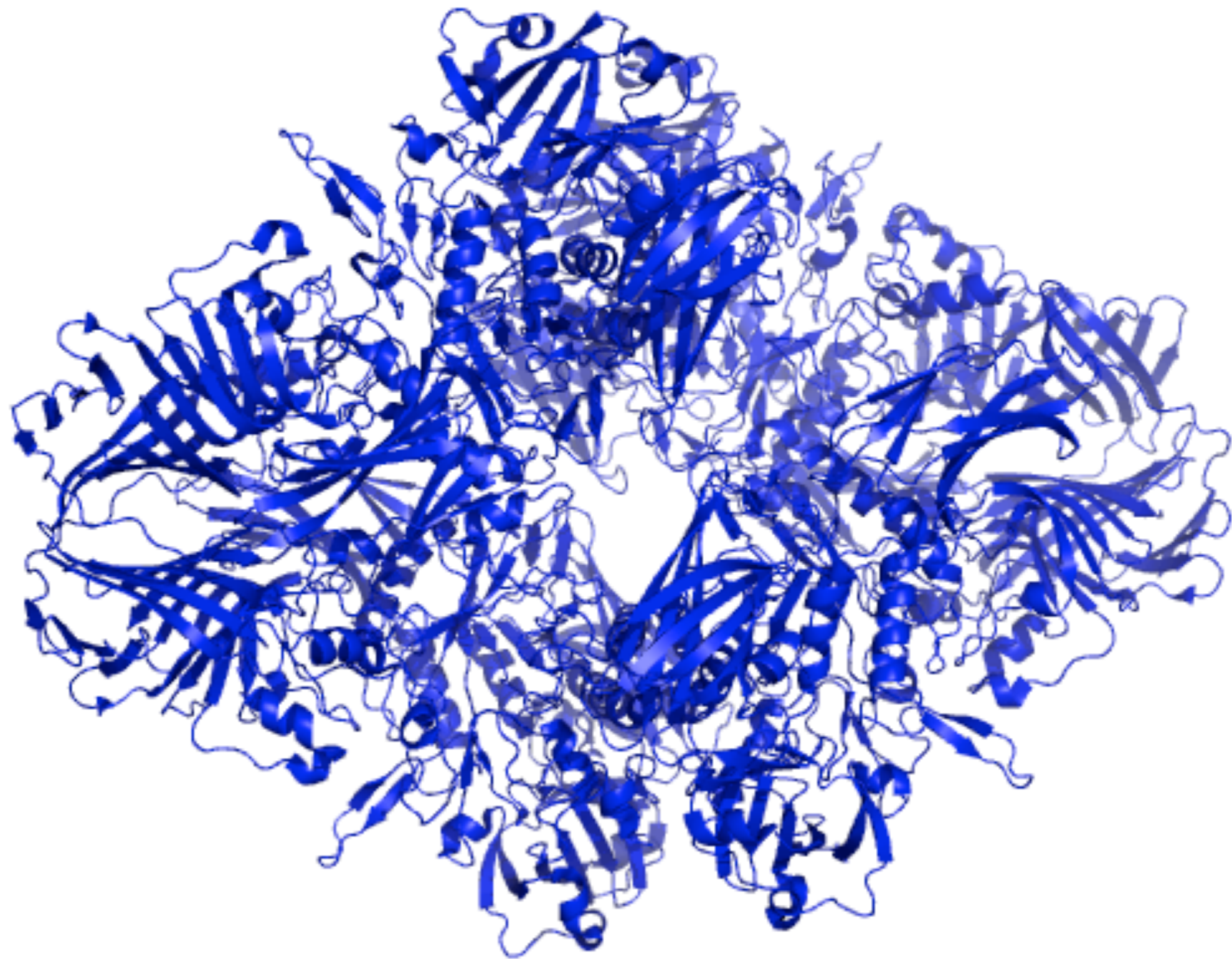
by Robert William Whitby

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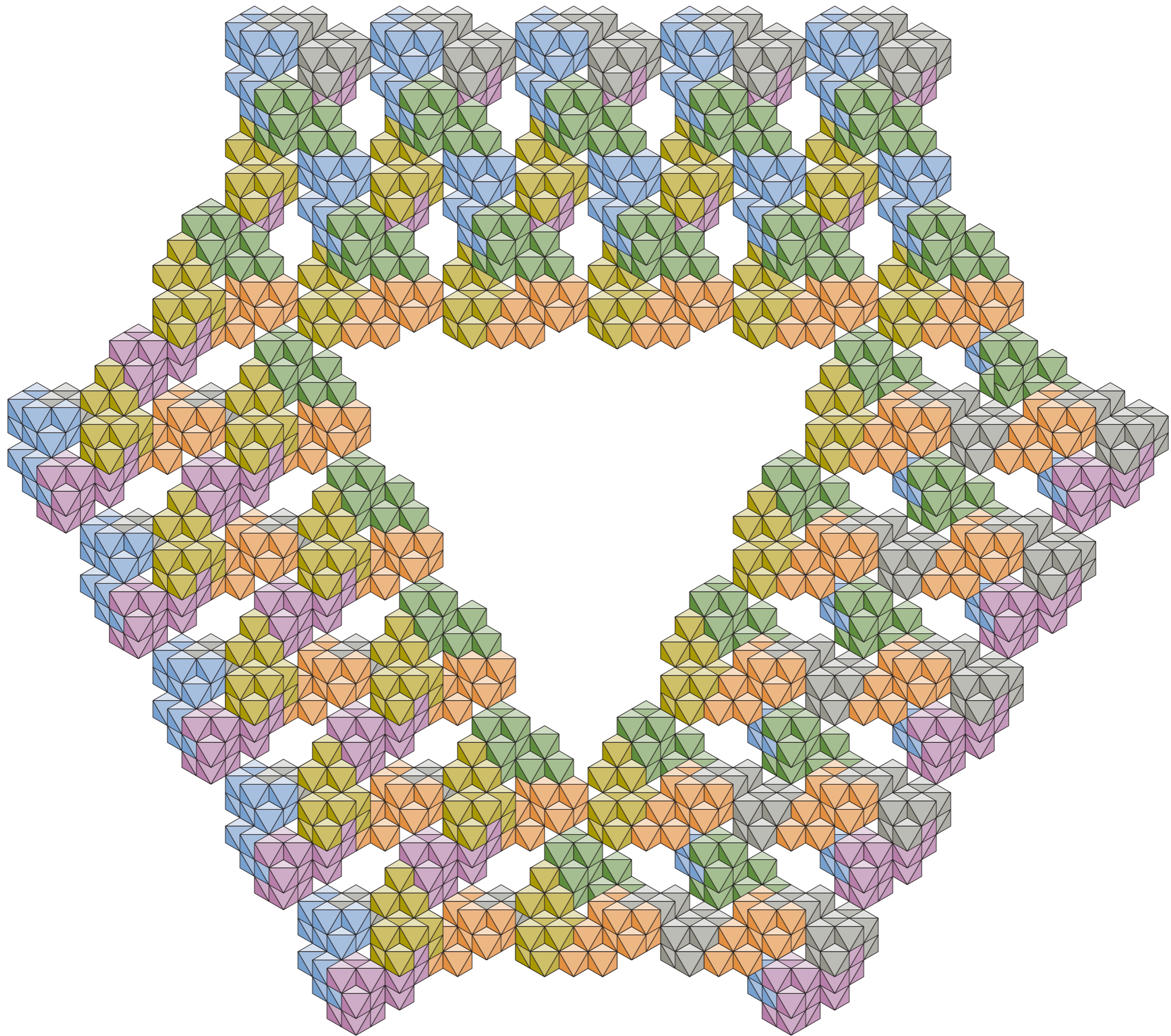
# Ribbon Drawing

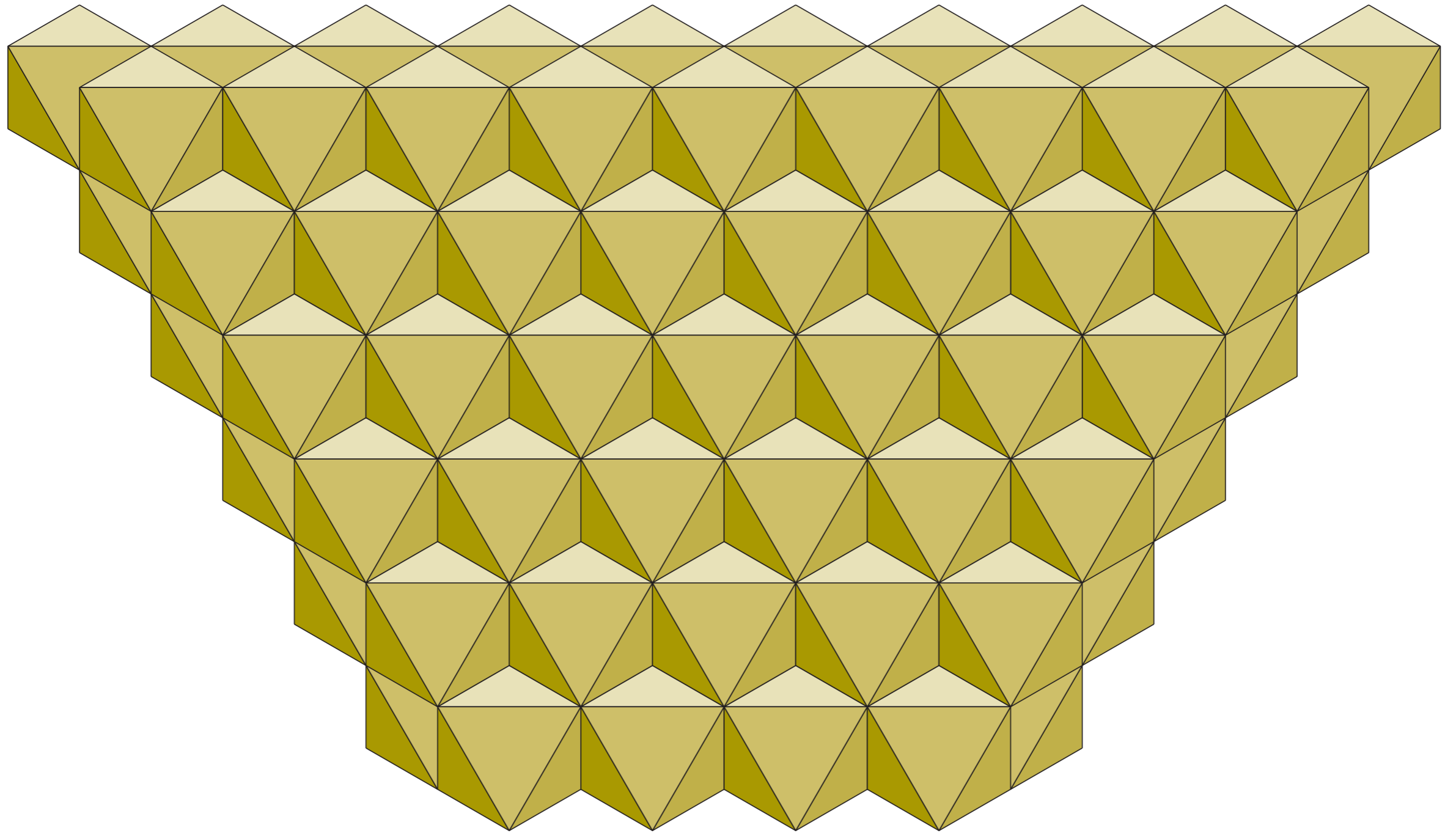
Copied from Wikipedia Beta-galactosidase  
3MUY.png by ThakralD 27sep2011 using PyMOL

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**Four panels  
like this triangular beta-barrel  
hinge-join to form  
a mechanism**

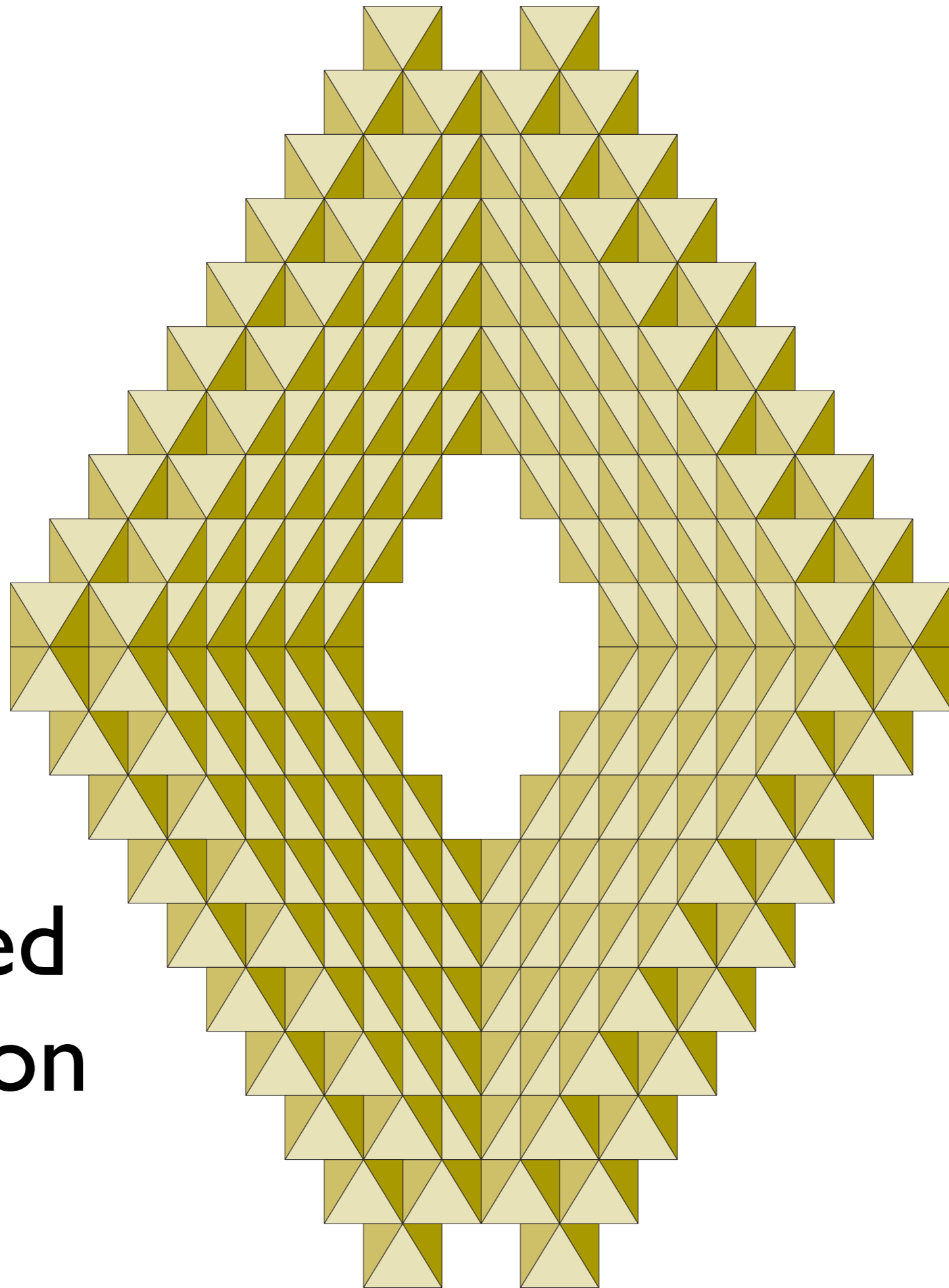




**Panel—one of four**

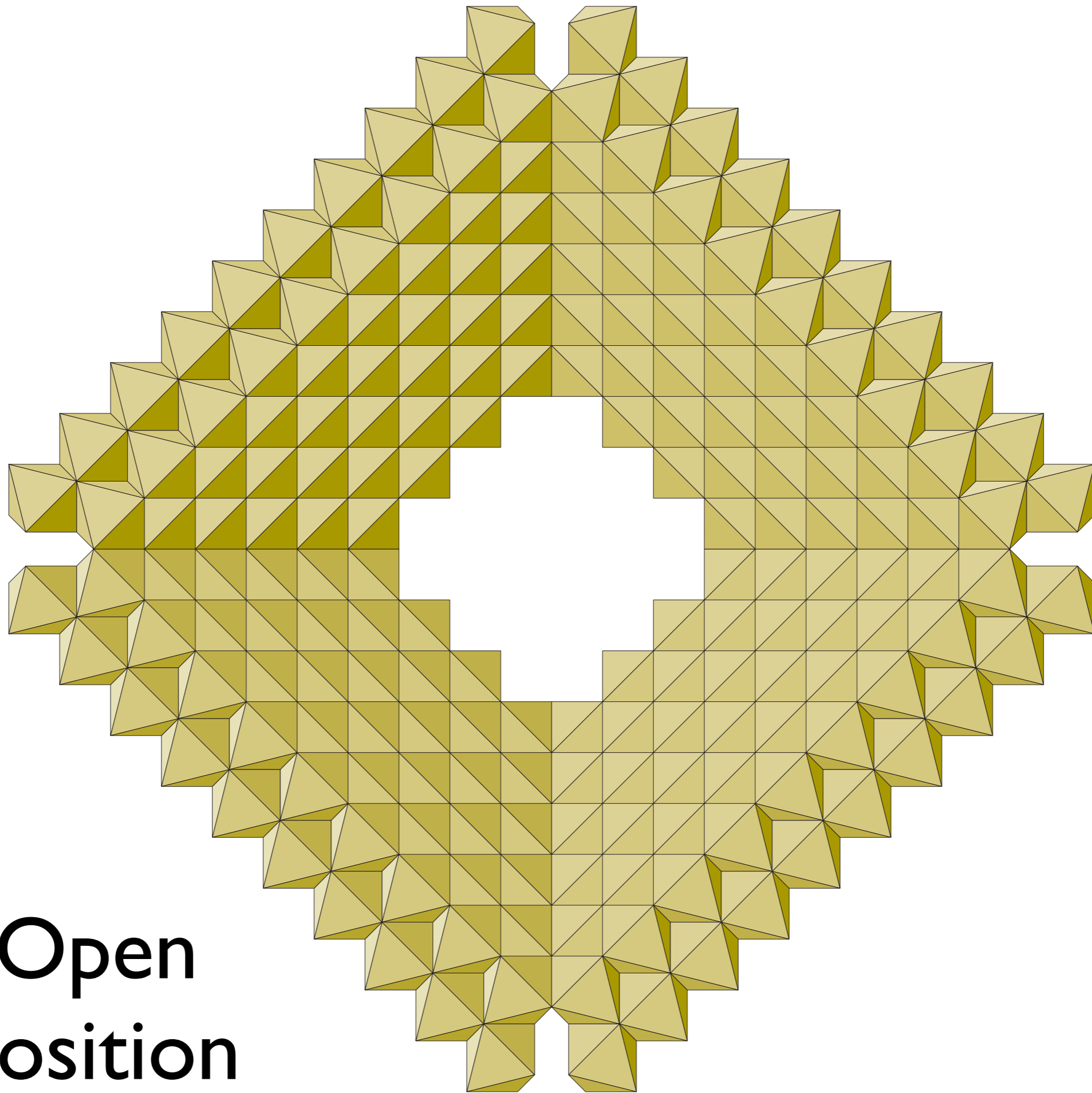
# Assembly of four hinge-joined panels



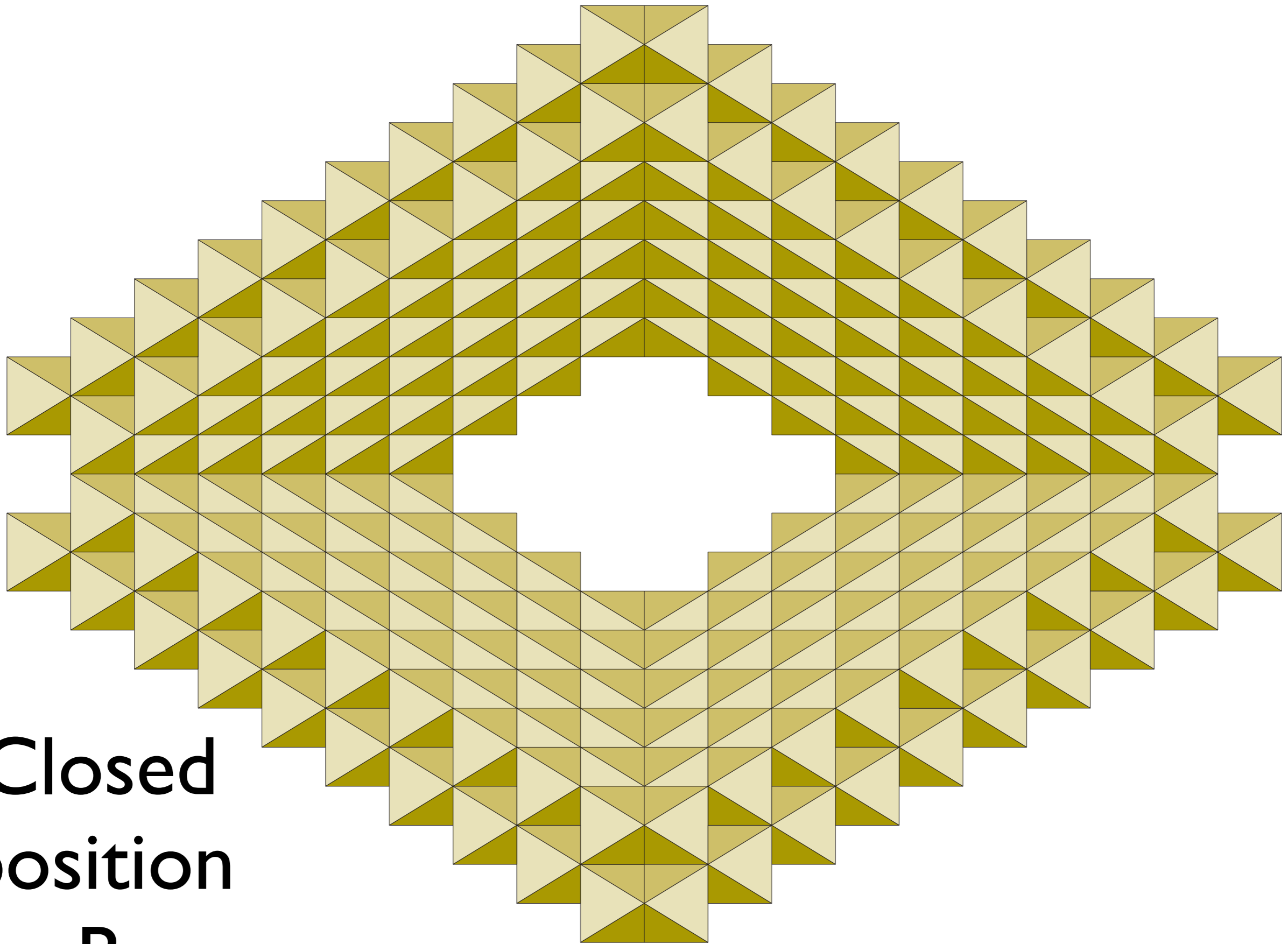


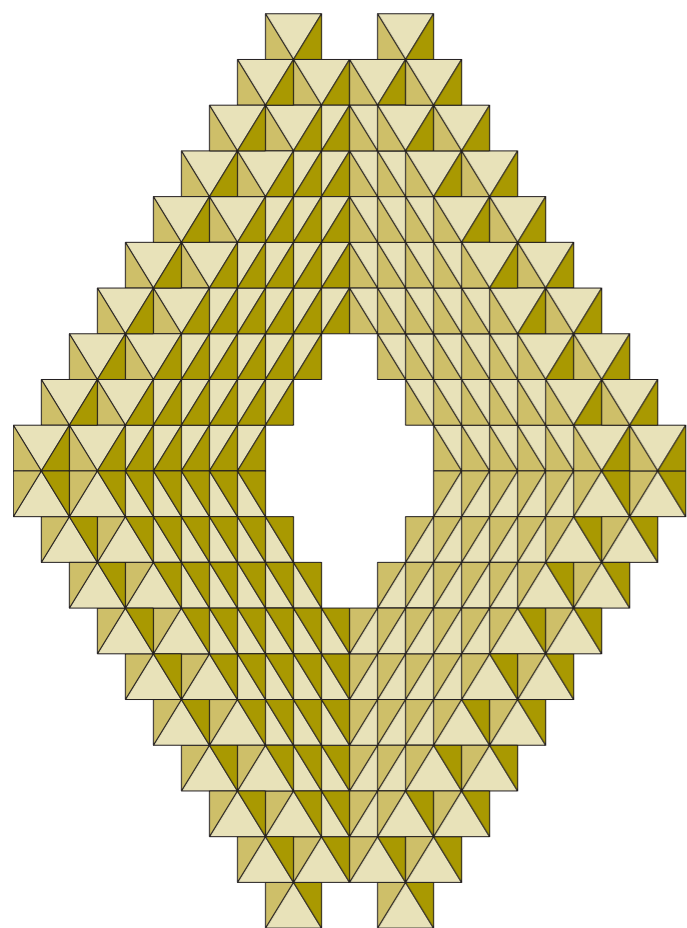
**Closed  
position  
A**

**Open  
position**

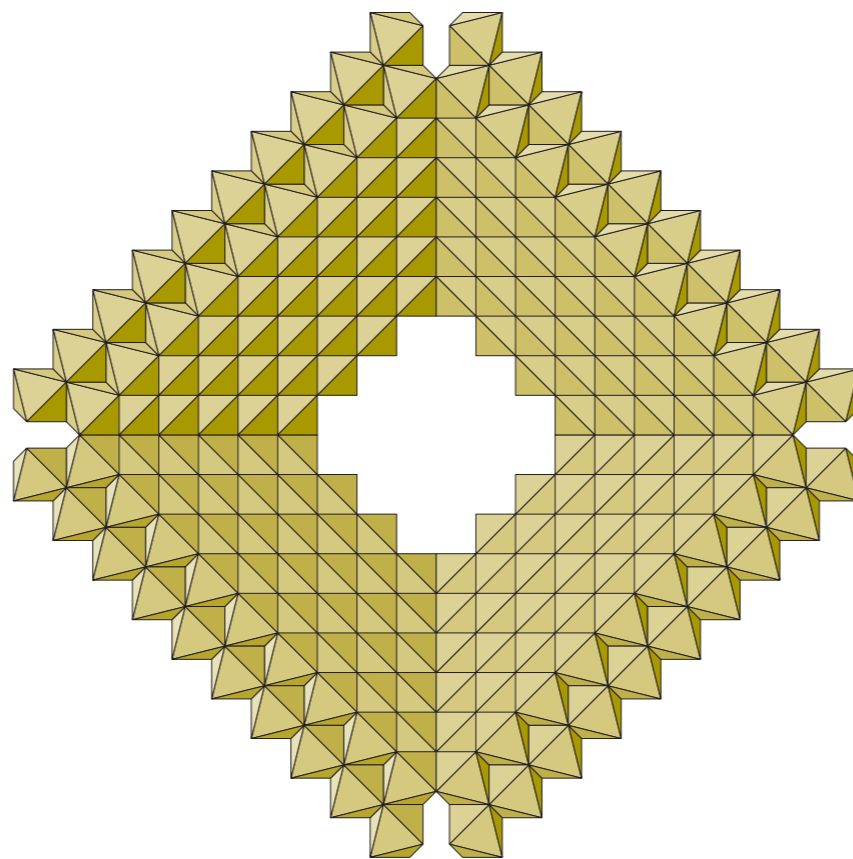


**Closed  
position  
B**

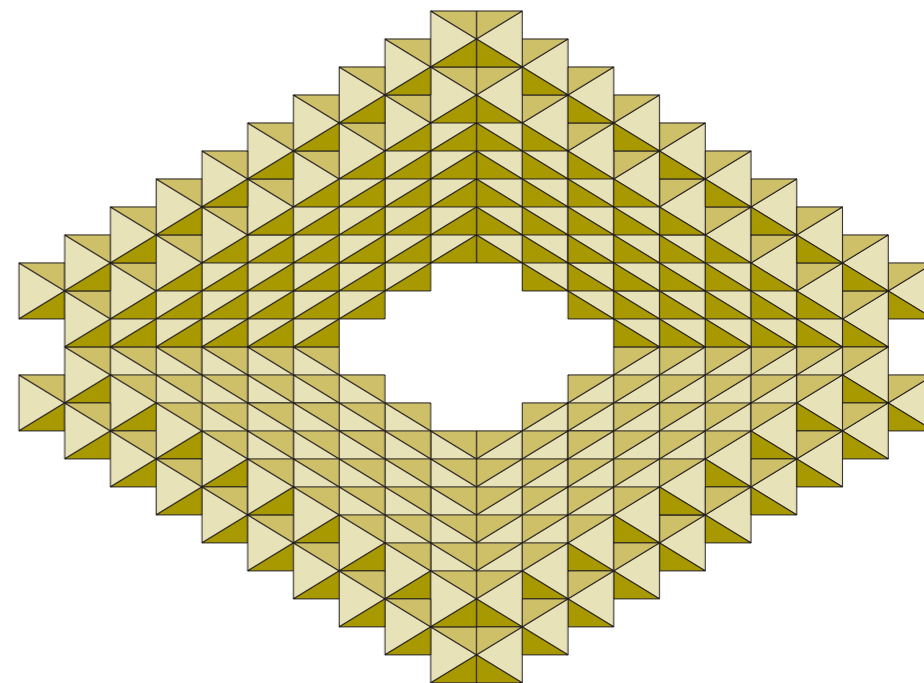




**Fully closed**



**Fully open  
midway**



**Fully closed**



# References

Wikipedia

[www.RobertWilliamWhitby.com](http://www.RobertWilliamWhitby.com)

Octahedron 1stEd.pdf

Building with beta barrels.mov by octatom on YouTube

**The end**