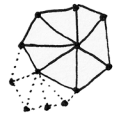
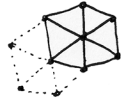


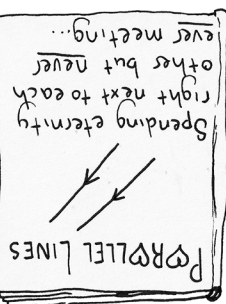
How long can you draw
7 triangles at each vertex...



Continue drawing 6 triangles
at each vertex...



You probably feel like you
live in Euclidean 3 space \mathbb{R}^3
& you can imagine Euclidean
2 space as an infinite piece
of paper!
The most tragic
love story
ever told in
EUCLIDEAN SPACE
others but never
ever meeting...



ARE EUCLIDING ME?

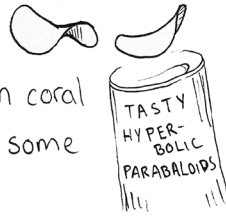
Here are some HYPERBOLIC PLANTS
at Dundee University Botanic Gardens



Things get a bit
frilly,

Hyperbolic Space has
a constant negative curvature

In it you can comfortably
tile 7 EQUILATERAL TRIANGLES
at a point!



You'll see it in coral
formations and some
CRISPS

Jay's MATH ZINE

THE GREAT GEOMETRIC SPACE EXPLORATION

You are holding a Euclidean plane
while standing on a giant sphere.
undulating through space
(which may well be hyperbolic.)

NEW! www.aylian.com
@aylian@gmail.com
youtube.com/Aylian
@Aylian

You can find me at:
Thank you!

DIRECTIONS

- 1 Mile South
- 1 Mile East
- 1 Mile North

It is entirely possible to find
a place on Earth where following
these directions will bring you
right back to where you started!

Because in ELLIPTICAL
SPACE
you can have
a 3 RIGHT ANGLE
TRIANGLE



In this space you can also
form bewildering shapes:

THE GOLDBERG POLYHEDRA

FROM ELLIPTICAL SPACE!

If you liked this zine
I know you'll love:
#mathartchallenge on
www.arbitrarilyclose.com
and @tilingbot on twitter

You can find me at:
Thank you!

NEW! www.aylian.com
@aylian@gmail.com
youtube.com/Aylian
@Aylian