

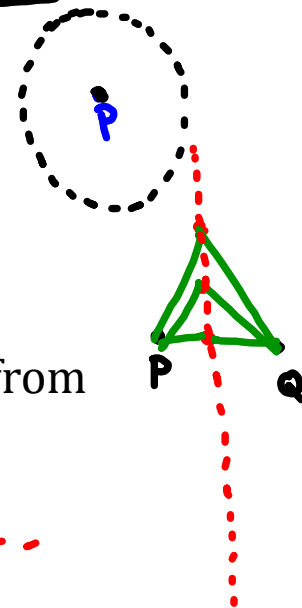
HAT

Locus

1/29/18

A **locus** is a set of points that satisfy a given condition.

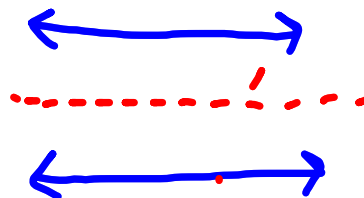
The locus of points that are a **fixed distance** from a **point P** is... **CIRCLE**
Center **2D** **radius** **3D-sphere**



The locus of points equidistant from two points P and Q is... **a line 2D**
3D-plane

The locus of points that are equidistant from two parallel lines is...

2D - 3rd // line
3D-plane



Mystery Curve:

coplanar

The set of points that are equidistant from a fixed point and a fixed line.

fixed pt: $(0, 4)$

fixed line: $y = 0$

