Fall 2017 Welcome

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Eligibility/ALEKS – Poincaré Disk
Accommodations – Poincaré Half Plane
Email – Klein Disk (Chords)
Evaluations – Hemisphere
Grade Distributions – Minkowski Hyperboloid

Poincaré Disk (Beltrami) lines are circles ⊥ limit circle

"First Time in College" students in mac1114, mac1140, mac2233 and mac2311 are required to take aleks. And they must use the FSU Summer 17 – Spring 18 cohort.

NOT a way to jump from MAC1105 to MAC2311

NOT a way to avoid repeating a course

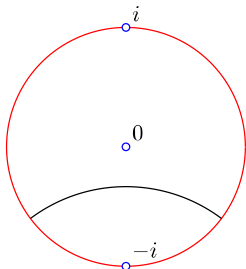NOT a way to avoid trigonometry – separate trig score
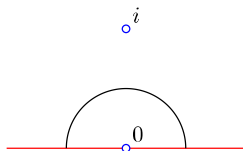
Poincaré half plane (Beltrami), lines are circles $\perp$ x-axis

$$z = -i\,\frac{i-w}{i+w} \qquad\qquad w = i\,\frac{i+z}{i-z}$$
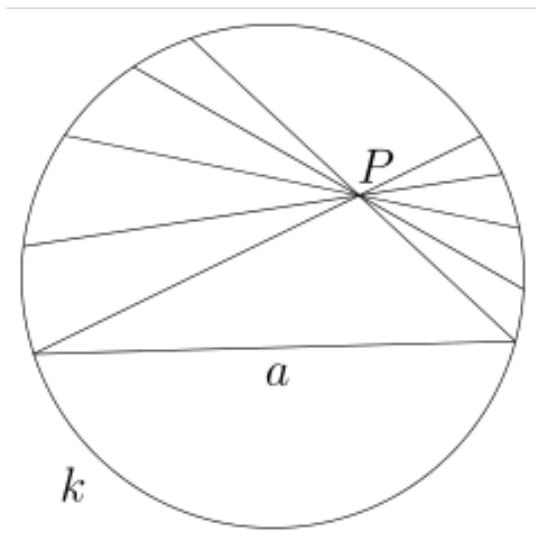

$\{-i, 0, i\}\ z-\text{plane}$

$\{0, i, \infty\}\ w-\text{plane}$

- The letter isn't the request. It is a basis for discussion.
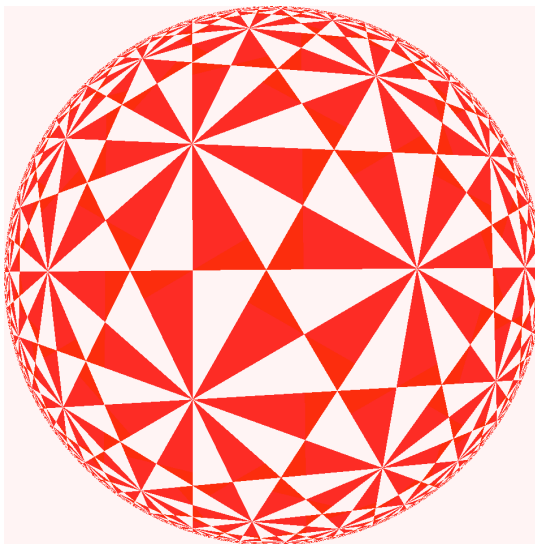- Unlimited Excused Absences. One extra excused absence.

Klein disk (Beltrami), lines are chords, angles distorted.

Advisors (other than Danielle or Kari) are not your friend

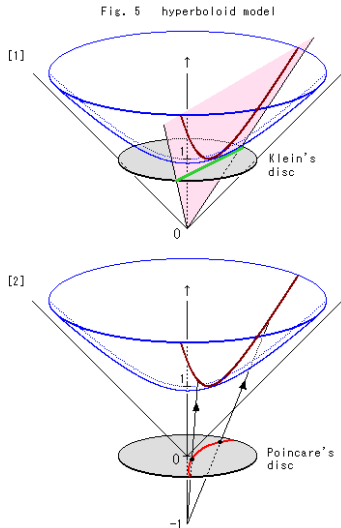- Do not reply to email from students wanting to add your class, just forward them to advisor@math.fsu.edu

Lines are semi-circlar chords, angles are distorted.

Evaluations are only electronic – no more paper evaluations.
Actively encourage your students to do the evaluation.
Be the zebra.

Fig. 5   hyperboloid model

[1]

Klein's disc

[2]

Poincare's disc

Minkowski or Lorentz (Weierstrass). Flattened Gans.

Final Grades

	A	B	C	D	F	W
all PhD universities	22.7%	29.7%	22.9%	8.0%	9.4%	7.4%
5 case study sites	21.8%	37.8%	25.7%	4.2%	6.6%	3.8%
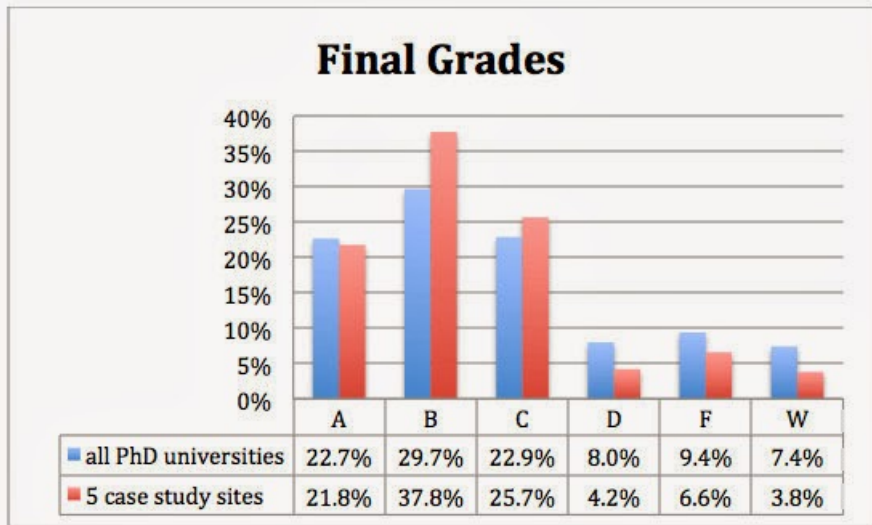
Figure 1: Instructor reported final grades.

Gans model $\mathbb{C}$ and hyperbolas

Hy-Hyperboloid
K -Klein Disk
He-Hemisphere
P -Poincare Disk
Ha-Half-Plane
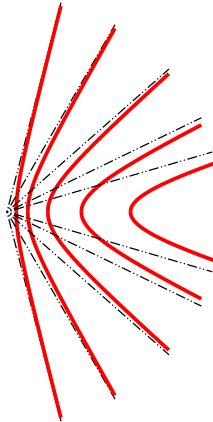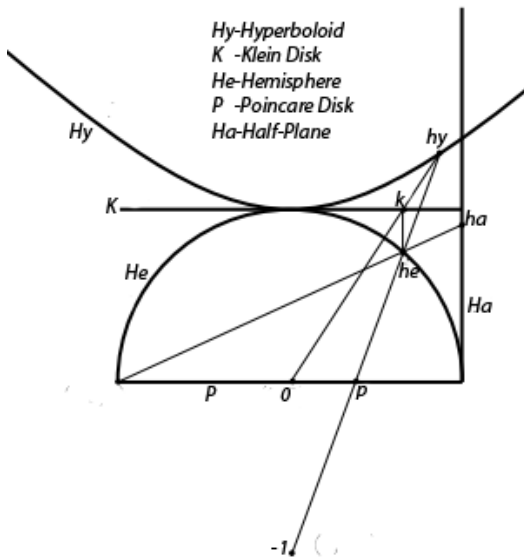
You have a lot of support, if you need help, ask.
You are the math department.