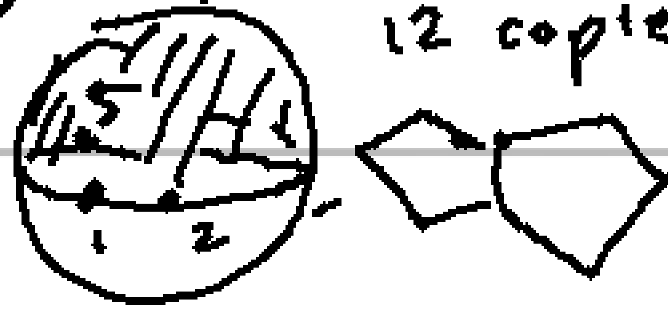
Day 2 Talk 3 — Paul

$\overline{M}_{0,5}(\mathbb{R})$ (are $K(\pi,1)$'s) ← by Pavel, others.

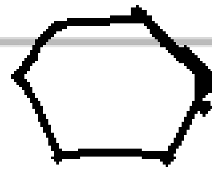
12 copies



surface of $\chi = -3$.

⋮

: get



hexagon

Borromean rings:

$H^*(S^3 \setminus B_0) \cong H_{3-*}(S^3, B_0)$

$x_1, x_2, x_3 \in H_2(S^3, B_0)$

$x_1 x_2 = \partial\alpha$

$x_2 x_3 = \partial\beta$

$\langle x_1, x_2, x_3\rangle = \alpha x_3 + x_1\beta \in H_1(S^3, B_0)$

$$\cong \frac{H^2(S^3 \setminus B_0)}{H^1(S^3 \setminus B_0)\, x_3 + x_1 H^1(S^3 \setminus B_0)}$$

So A_∞ structure is not formal.

Other possibility: Do 0 surgery on each component of link.