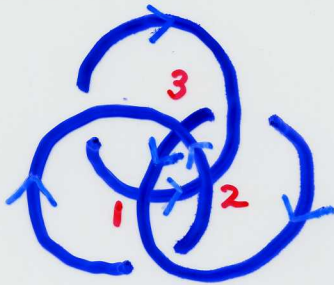# Why is III^8-fiber chiral ?

$$f: M^4 \longrightarrow N^3$$
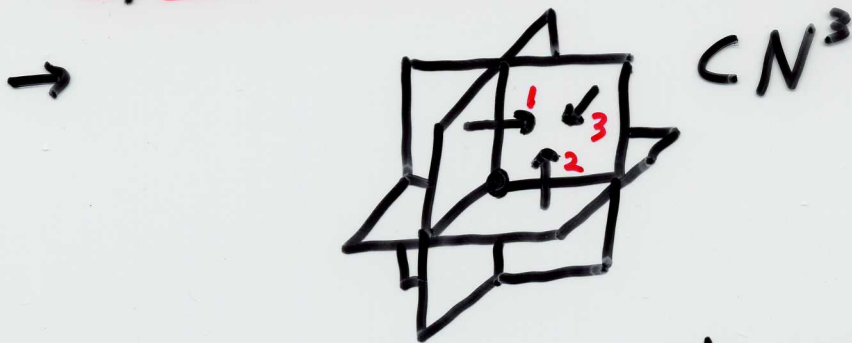
↑
oriented

y

fix an ori. of N^3 around y

→ regular parts of fibers get ori.

→ cyclic order for three sing. pts

→ $\subset N^3$

compare the induced ori.
with the originally chosen ori.

same ori. → +1   sign
different ori. → -1