# PSEUDO-BRIDGE TRISECTIONS

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PREVIOUSLY, IN GEORGIA ...



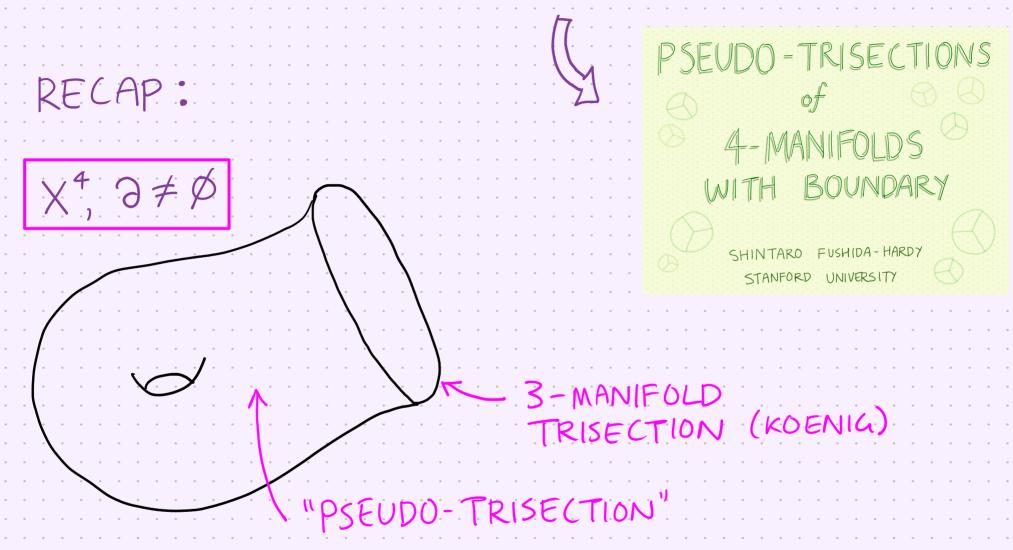
PSEUDO = TRISECTIONS

of of

4-MANIFOLDS WITH BOUNDARY

SHINTARO FUSHIDA-HARDY STANFORD UNIVERSITY

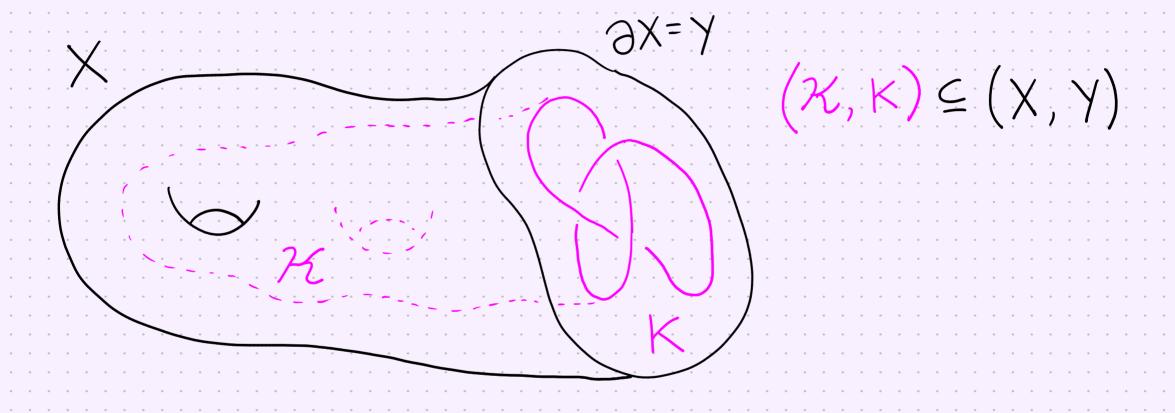




GENERALISATION OF RELATIVE TRISECTIONS

DESTABILISATION OF 2X4 EXTENDS

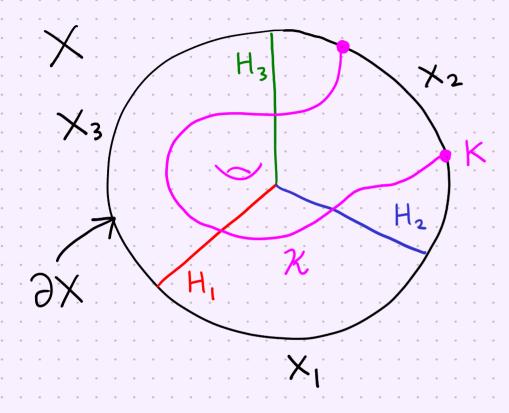
RELATIVE & PSEUDO-BRIDGE TRISECTIONS



GOAL: POSITION (X,K) "NICELY" IN A

TRISECTION OF (X,Y)

### RELATIVE & PSEUDO BRIDGE TRISECTIONS



(K,K) IS IN RELATIVE BRIDGE POSITION IF:

· TOPOLOGY

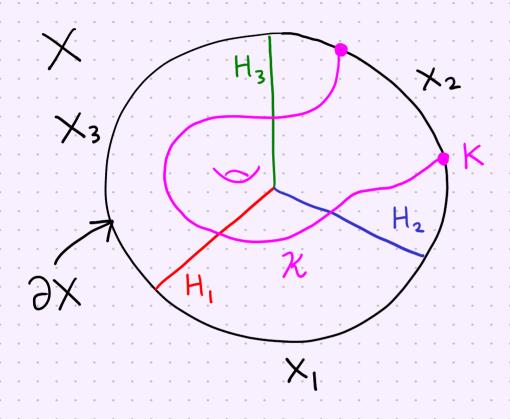
- KNX; AND KNH; ARE ALL "TRIVIAL"

· MORSE THEORY

- INTERSECTIONS AR "VERTICAL" OR "HORIZONTAL"

SMALL DIAGRAMS, HIGH COMPLEXITY

## RELATIVE & PSEUDO-BRIDGE TRISECTIONS



(K,K) IS IN PSEUDO -BRIDGE POSITION IF:

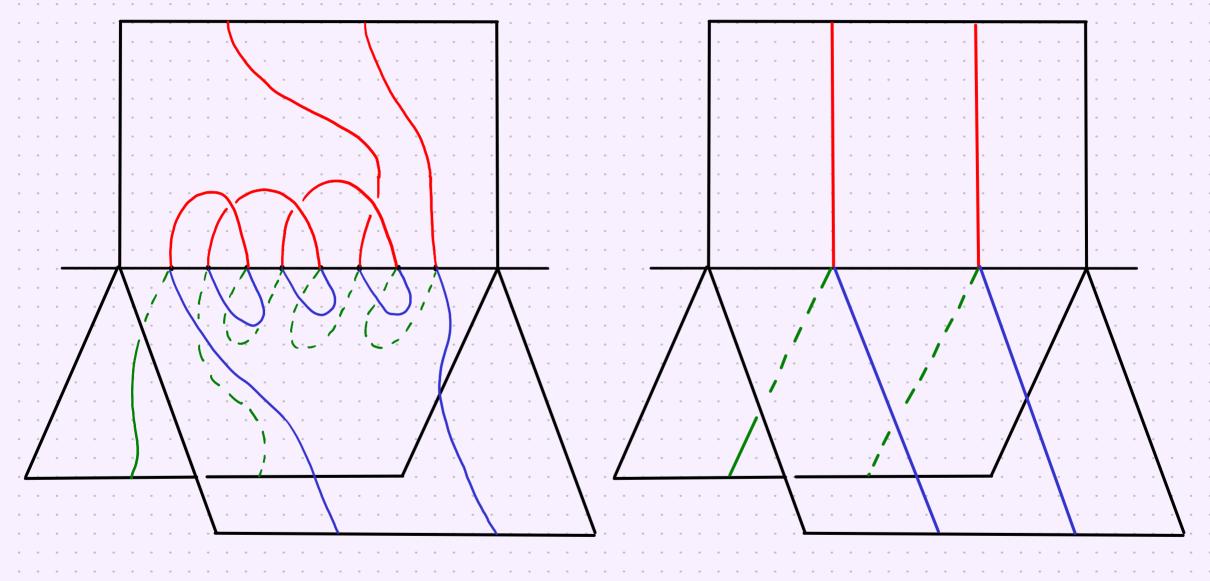
· TOPOLOGY

- KNX; AND KNH; ARE ALL "TRIVIAL"

BIG PIAGRAMS, LOW COMPLEXITY MORSE THEORY

"VERTICAL" OR "HORIZONTAL"

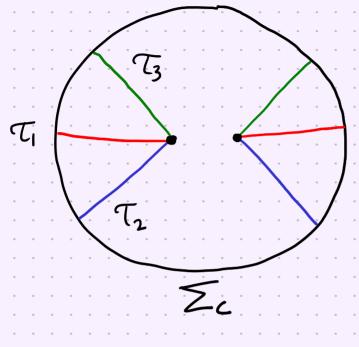
### EXAMPLE: USUAL SEIFERT SURFACE OF 3, IN BO

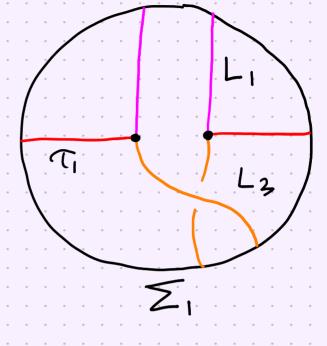


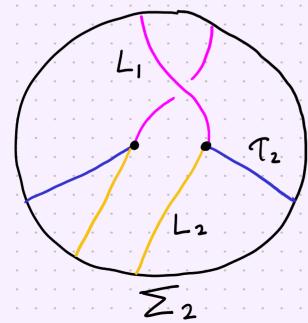
TRIPLANE DIAGRAM OF A
RELATIVE BRIDGE TRISECTION

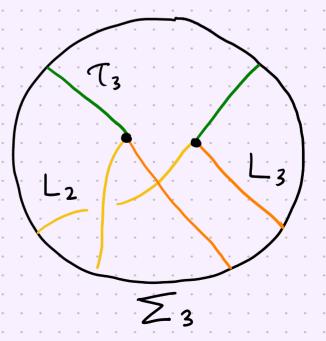
"TRIPLANE DIAGRAM" OF A PSEUDO-BRIDGE TRISECTION

# EXAMPLE: USUAL SEIFERT SURFACE OF 3, IN B4









PSEUDO-BRIDGE TRISECTIONS SHINTARD FUSHIDA-HARDY

THANK YOU!

