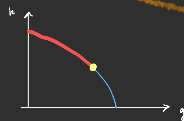


Definition of the model

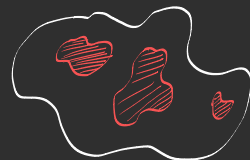
- planar maps / quadrang. with loops
- weights (n, g, h)



PHASE DIAGRAM

- Partition function & admissibility
- Non generic critical.

GASKET



The scaling limit of the volume of loop- $O(n)$ quadrangulations

VOLUME

- Number of vertices
- Volume of gasket
- Expected volume

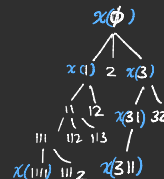
MAIN RESULT

$$p^{-Q} V(p) \xrightarrow{d} \Lambda W_{\infty}$$

explicit

CONJECTURE

MULTIPLICATIVE CASCADE



ADDITIVE MARTINGALE