The Island

Effect

Read: The review paper "The entropy of Howling Addiction" 2006.06872

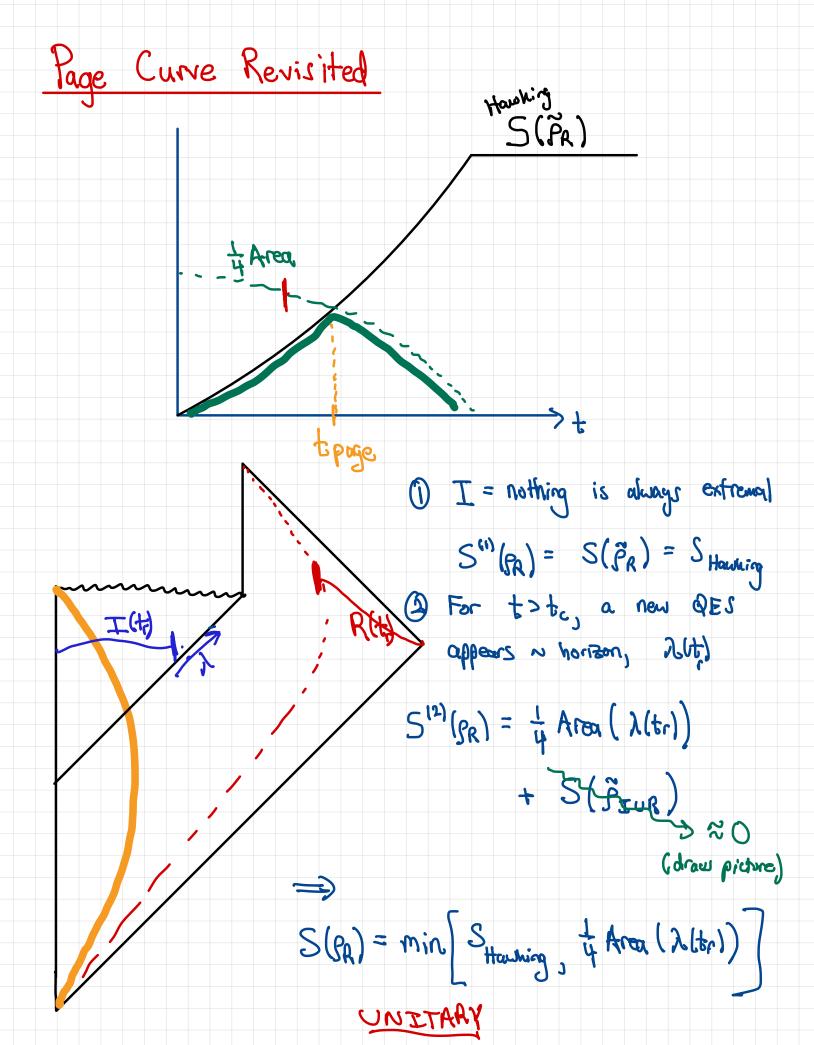
Recently it has been understood that the HEE formula does not require or rely on holography or AdS.

The Island Formula

Conjecture:

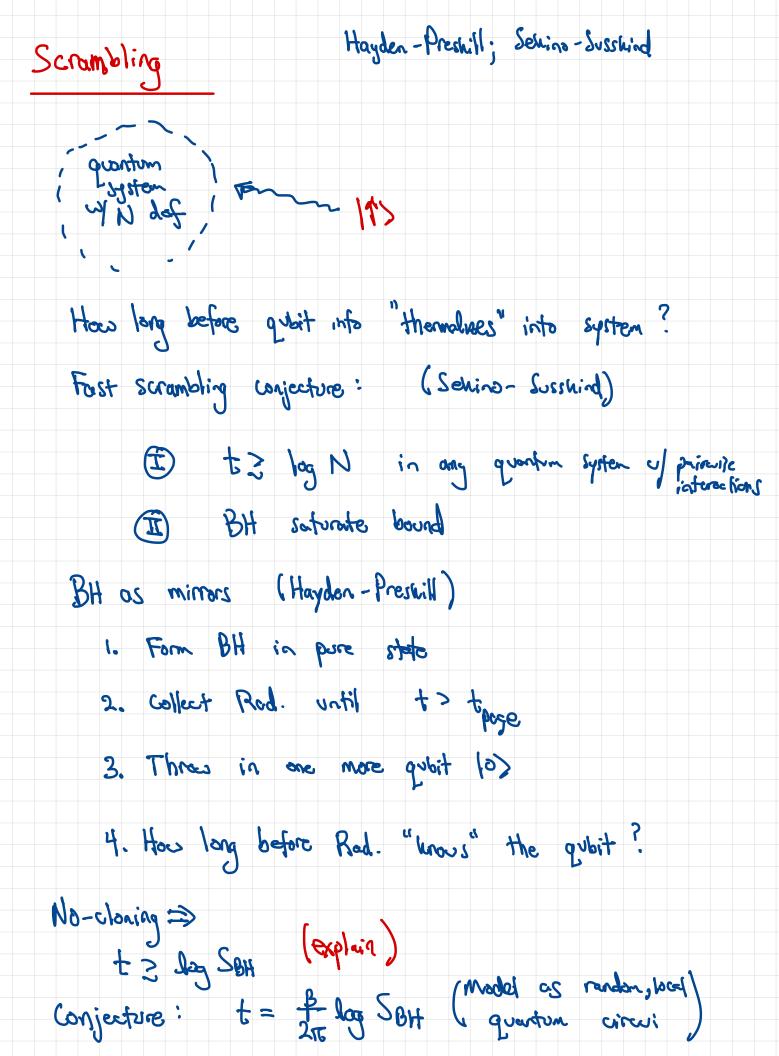
Conjecture

Physics in I can be reconstructed from PR; similar to AdS/CFT.



Interpretation QFT in island can in principle be reconstructed from Pr Toy tensor net/code: Quantum state of QG dima Sturing 1 100 rsin. bond lim area (BH) aft in B + hologenhic granty dof (explain min cuts)

Jaim: this tensor net accurately captures qualitatively and quantitatively the underlying error-correcting code.



How does this all relate to island effect? Q: where is QEJ? (ie where along horrzon) Ans: time predicted by Hayden- Preshill Lesson BH ~ quantum system wy JA d.o.f. B "belongs to BH" I "belongs to radiation"