

Circuit Complexity & 2D Bosonisation

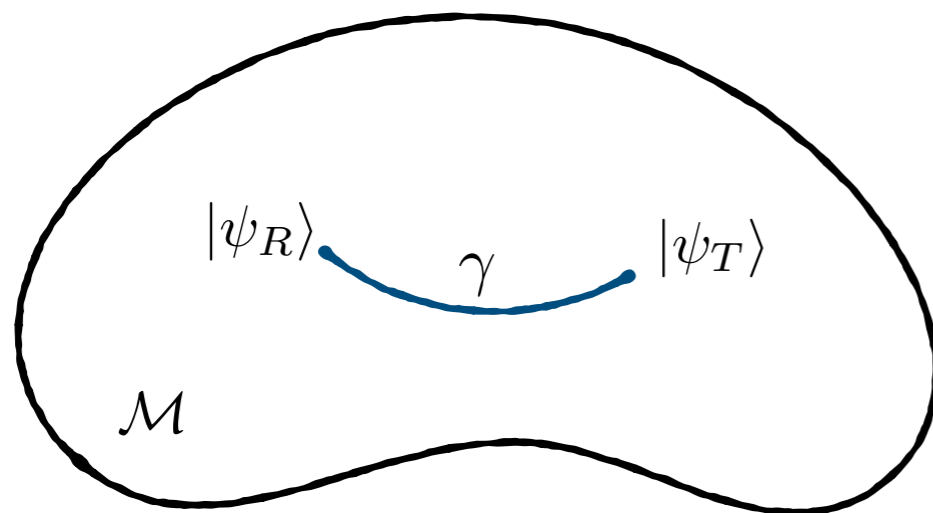
1904.03003 with G. Policastro



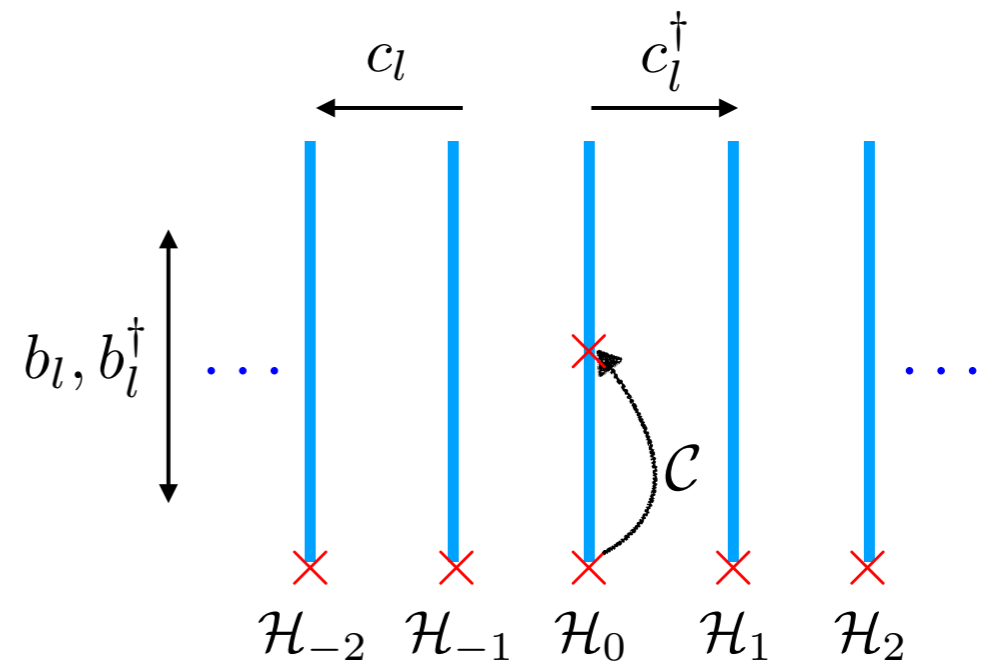
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$$C(|\psi_R\rangle, |\psi_T\rangle) = \min \|\gamma\|$$



- Bosonic states are simultaneously fermionic states, different form of gates
- Bosonic **Coherent** states & fermionic **Gaussian** states
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More detailed story, come to Y206 #4!!!