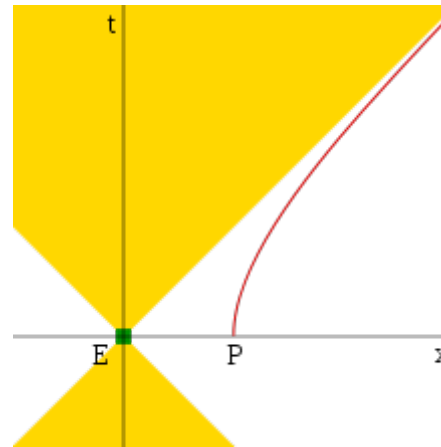
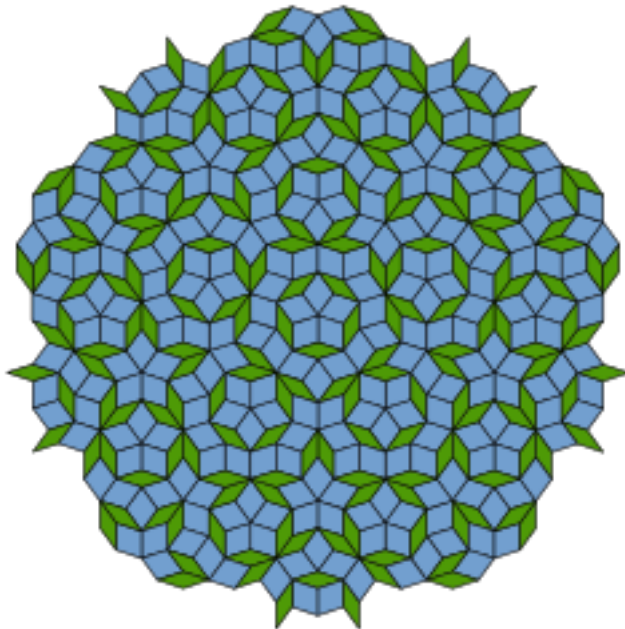




Stephen William Hawking 1942- Sir Roger Penrose 1931-

Britany

Penrose tiles – quazicrystals with
Point simmerty of 5 but no
Translational simmetry.



Space-time properties
In general relativity
Discontinuity in gravity field
And the big-bang
Event horizon around black holes

Rotating black hole radiation:
Evaporation of black holes

