The second second	Defin: Vertex v is dominated by U if v and v are objected and every neighbor of v is also a neighbor of v
androne	Cop or Robber first: Hobally
en en engelse på en	A graph is cop win (=> you con remove dominated verticies (=> mc down to a single vertex 1 verticity of dismonthing effect things
t garley karanin	minimal core - graph with no dominated verticies
a grupo (c. 1444 a).	* google isomorphism in graph theory
ong ang gyptadon in and many gyptana	Algorithms How do you compute a minimal core what remains after all dominated verticies are removed
r south a species	what Tempins after all dominated verticies are renoved Removing A makes verter B a laminated
	Removing A makes verter B a do minated B A Verter
Christian and a service of the servi	

"Simple" algorithm 2 steps: 1) find all triangles 2) Count # edges each triangle participates in repeatedly find a vertex V with label degree V-1 => V is dominated by the vortex on the other erd. degrac(V)=3 remove V B update triangle counts. Google implimentations Buzzwards - Polymake - Soile Ourselves Unit Disc Graph Consider R2, let u, v = R2 if dist (u,v) =1, Create on edge UV Main Question - Are the minimal comes for unit disc graphs in IR2 "Simple Combinations" of minimal coise for unit disc graphs in the circle or are there "willy new possibilities".

Minimal Cores of Points on a circle Fact: given any set of points on the corde, a minimal core for its unit disc graph is of the form Chifor k= 2 # of points # of neighbors each has both directions Co S Circle 20 sphere (line locally)
2 sphere 30 sphere (plane locally)
3 sphere 4D sphere (R3 locally) Co Co 7000logical Conjecture: Spaces associated with graphs Lefill triongly or 4 points or 5 points etc 6 triangles on CE and Middle triangles Existing research on attatchments between minimal cones? We can focus orlinely on simple conneded graphs? Popers on the connection to topology? Defin of Simple Combinations = to be defined Wite 0's on overleaf (blue note environment)