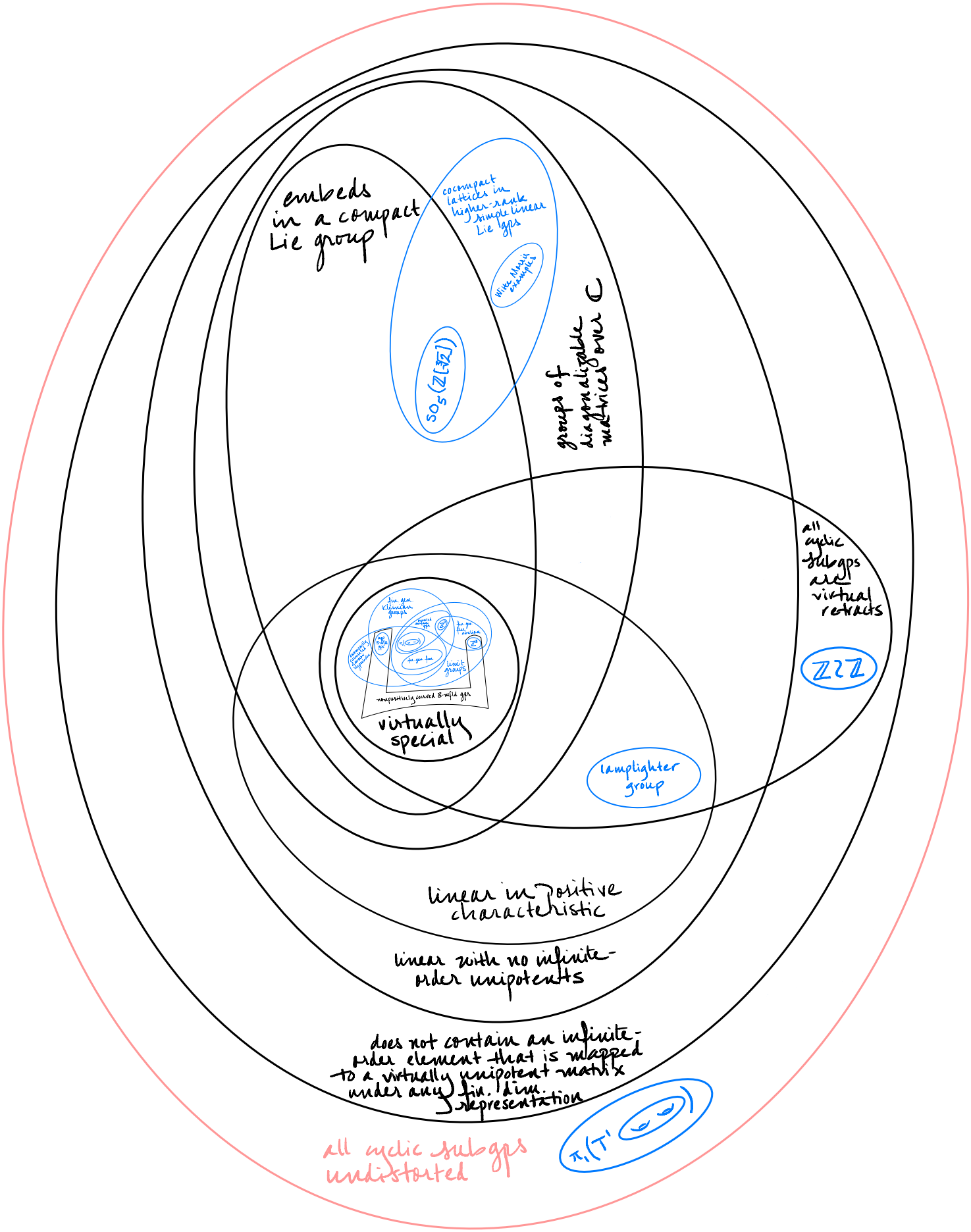
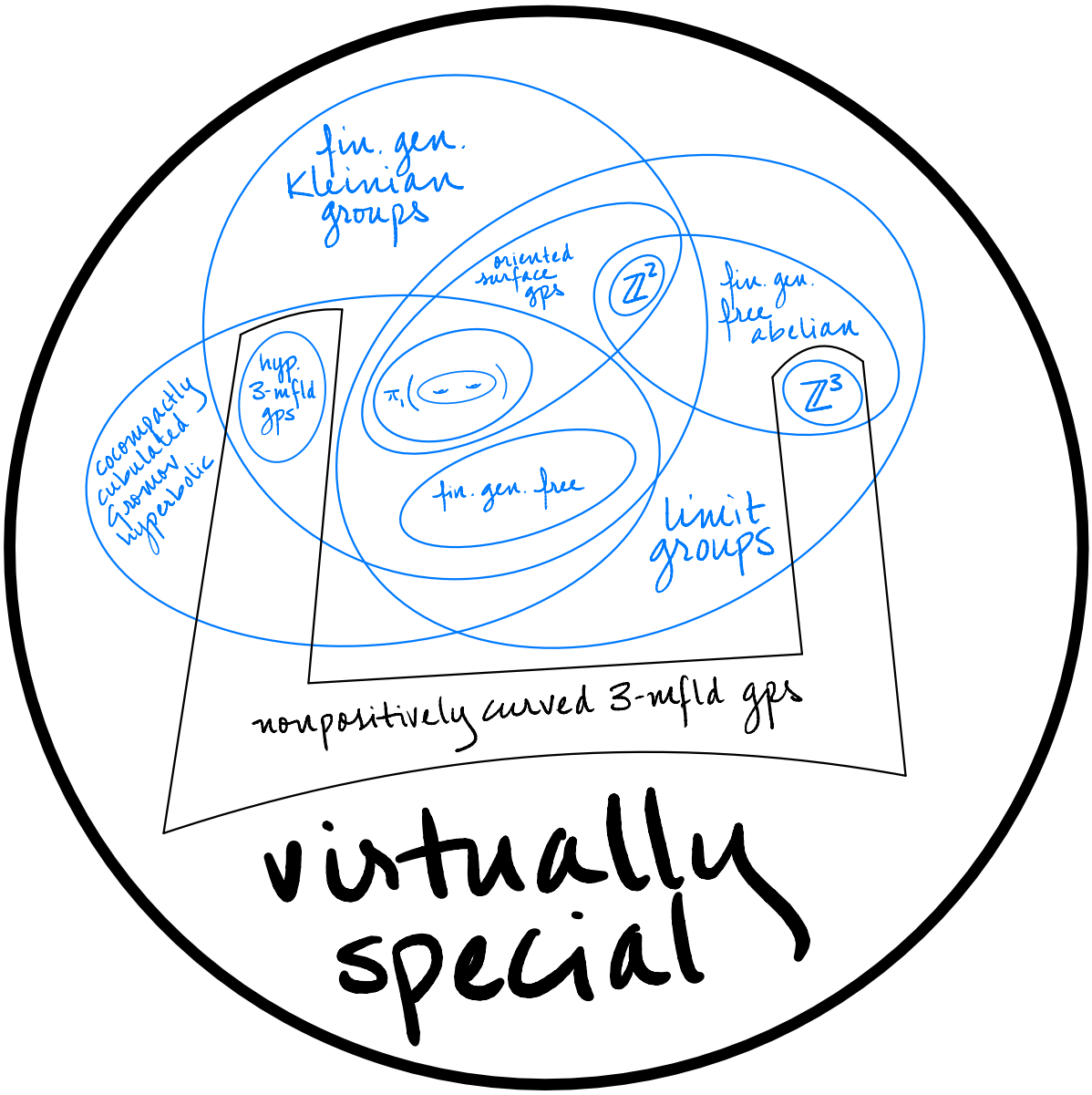

embeds in a compact Lie group
cocompact lattices in higher-rank simple linear Lie gps
Wise, Agol, Haglund examples
$SO_5(\mathbb{Z}[\sqrt{2}])$
groups of diagonalizable matrices over $\mathbb{C}$
all cyclic subgps are virtual retracts
$\mathbb{Z} \wr \mathbb{Z}$
fin gen. Kleinian groups
complex hyp. gps
$\mathbb{Z}^n$
fin gp. fin. abelian
$\mathbb{Z}^n$
compactly cornered 3-mfld gps
fin. gp. free
unit groups
nonpositively curved 3-mfld gps
virtually special
lamplighter group
linear in positive characteristic
linear with no infinite-order unipotents
does not contain an infinite-order element that is mapped to a virtually unipotent matrix under any fin. dim. representation
$\pi_1(T^1 \Sigma)$
all cyclic subgps undistorted



virtually special