

The example of Kronheimer theories

G = ADE group.

3d N=4 theory defined by extended G quiver Higgs branch = C2/FG (dum = 1)

Coulomb branch = moduli space of a Guistanton (dum = h - 1)

More precisely, the gauge group is $K_G = \frac{1}{100} U(m_i)$ Dynkin indices U(1)

Intersection Higgs 1 Coulomb:

interacting fixed point with accidental 6 global symmetry visible at long distance.

1 These theories for G = Am, Dm are dual to the examples above.