

(a) $D = N + 1$

$$D = (N - 1) + 1 + 1 = N + 1$$



Ang
(N-1)
 S^{N-1}

Cartan

Rad
(+1)
 R^+

Scale

Time
(+1)
 \mathbb{R}

Evol

$SU(3): D = 4$

(b) QCD arguments

Why "+1 radial"?



Confine
finite
extent

Asymp.
scale
dep.

Trace
physical
radial

Radial = physical