Carrollian Ads /ds Twistos are essentially hologophic: · 3 d geometry for 4 d Physics · Non-local + Conformal. vision doc quantum gauts: Spale-time emorges from Truistic Spale

Vision: Twistors and Holography

Greenety: Twistor = CP3 = C3 o plane at co generalis space-time = space of 4 P; C CP3 (wistor Space-time IM4) Picture: X 4a 22 (2)

X = Line CP' 

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X = Did to To Tribic

But: integrability of 2- planes too restrictive (=) Self-duality

Penox googly problem; How to incorporate ambidextrous Physics. Hologaphy: Awishrs intersed-bounday in 1-d (light rays in Garlex) No integabilis Gadition ~) I twister spaces on bountary! solves Penoie's goods poblem! (cd. Newman good and of Ses Nontinear Javilon)

Physical theories in twister Spru:

Top-lown: Twister-Strings Wither Sephents

Skirner 
Explicit Worldsheet amplitude formulae

no (Wistor actions & string field theories holomorphic (twisted).

B-F/ Chern-Simons + detects/Brans

MHV tomalism tor amplitudes, comlaters

Symmetries:

Celestial symmetries are garge transt.

La differs on twistor stace.

Realized Via:

Redized Via:

~ Noether arguments for twister gauge + dit

~ Vertex operators on worldshet.

1=0 Hologram:

CP

CR

ATerich

Burns Hologaphy: Stack N DI-6 Mas on I N) Gauge theory tom tador = Gravity amplitude

Back reaction is current twister space for Burns Space

Questions: 1. Can we go beyond MHU? 2. Detom to 1 ±0?
4. Celestial symmetries V ]. Extent to Ailternt domension? 4. Incorporate non-twisted Strings? eg Als, x CIP ABJM

