

1106-VM-2243      **Jonathan E Holland\*** ([jonathan.e.holland@gmail.com](mailto:jonathan.e.holland@gmail.com)), 356 S Graham St, Apt 4, Pittsburgh, PA 15232. *Cosmologies determined by pairs of quadrics.*

We present a family of conformally flat cosmological spacetimes that arise naturally by breaking of symmetry from the full conformal spin group  $SU(2, 2)$ . These spacetimes are determined by a pair of quadrics in a three dimensional complex projective space, the twistor space, and using a construction going back to Battaglini are connected with the classical algebraic geometry of quadric line complexes. (Received September 16, 2014)