The Mathematics of CCC  
September 11-13, 2013  
Clay Mathematics Institute  
Mathematical Institute  
University of Oxford

Schedule

Wednesday, September 11
8:30 Registration
9:00 Roger Penrose, On CCC's motivations, equations, observational implications, and future research
10:00 Vahe Gurzadyan, Positive lambda, the 2nd law and observations
11:00 Break
11:30 Krzysztof Meissner
12:30 Lunch
2:00 Paul Tod, The equations of CCC
3:00 Michael Eastwood, Twistors, tractors, and conformally invariant operators
4:00 Break
4:30 Rod Gover, Klein, Poincaré, and geometry at infinity
5:30 Reception in Mathematical Institute
7:30 Dinner at St. Anne's College

Thursday, September 12
9:00 Gabriele Veneziano, A bouncing cosmology from string theory's new symmetries?
10:00 Kostas Skenderis, Holography and the very early universe
11:00 Break
11:30 Tsou Sheung Tsun, A theory of Fermion masses and mixing
12:30 Lunch
2:00 Helmut Friedrich, Existence and asymptotic behaviour of space-time with positive lambda
3:00 Lars Andersson
4:00 Break
4:30 Tim Adamo, Gravity in twistor space
5:30 Buffet dinner at the Mathematical Institute
7:00 Panel discussion

Friday, September 13
9:00 Claude LeBrun
10:00 Jörg Frauendiener
11:00 Break
11:30 Laszlo Szabados, On the total mass of closed universes with positive cosmological constant
12:30 Lunch
2:00 Neil Turok
3:00 George Ellis, Indications that gravity is essentially a conformal theory