## THEOREM OF THE DAY

## The Classification of Archimedean 4-Polytopes The Archimedean polytopes in four dimensions are:

1. the polytopes of Boole Stott-Wythoff type;
2. the prismatic polytopes;
3. Cartesian products of regular polygons;


Web link: johncarlosbaez.wordpress.com/2012/05/21/. Fine descriptions of Boole Stott's work are www.ams.org/featurecolumn/archive/boole.html by Tony Phillips and www.sciencedirect.com/science/article/pii/S0315086007000973 by Irene Polo-Blanco.

Further reading: The Symmetries of Things by John H. Conway, Heidi Burgiel and Chaim Goodman-Strauss, A.K. Peters, 2008,

