

# Quantum Gravity 87.3: Re Prime Variables and Prime Numbers

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Front for the Mathematics ArXiv has 24 papers on the Goldbach Conjecture 1999 through 2007, one of which by two researchers outside mathematics or physics in China claim to prove it in [math.GM/0701235](http://math.GM/0701235), while another by highly published researchers Ben Green and Terence Tao, "Linear equations in primes," [NT/0606088](http://NT/0606088) v1 4 Jun 2006, 83 pages, proves the weak Goldbach Conjecture under the condition that no two of the linear forms are simultaneously prime where linear forms  $w_1, \dots, w_t$  map from  $\mathbb{Z}^d$  to  $\mathbb{Z}$  ( $\mathbb{Z}$  the integers,  $d$  some positive dimension). This condition, they explain, excludes the twin prime and strict Goldbach Conjectures, but allows counting "non-degenerate" configurations like arithmetic progressions.

Ben Green has 25 papers in arXiv and is at the Centre for Mathematical Sciences, Cambridge U., U.K., while C. Cao of UCLA has 138 papers, 1997–2007.

Curiously enough, another pair of Chinese researchers from Singapore from a Junior College did work on the only paper explicitly naming the Polignac Conjecture there, [math/0408018](http://math/0408018) v1 2 Aug 2005, "On Wilson's theorem and Polignac conjecture", v1 2 Aug 2005, 8 pages.

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