

1125-VN-321 **Juan Orozco*** (jorozco@theexcelguru.com), 4101 Aplomado Falcon Cove, Austin, TX 78738.
Advances in the Goldbach and Twin Primes conjectures. Preliminary report.

This paper introduces some advances in several open problems in number theory, particularly the Goldbach Conjecture and the Twin Prime Conjecture incorporating Mertens' third theorem and the twin prime constant. The approach is generalized for algorithms resulting in an Euler product like $\prod_p \left(1 - \frac{x}{p}\right)$. (Received September 06, 2016)