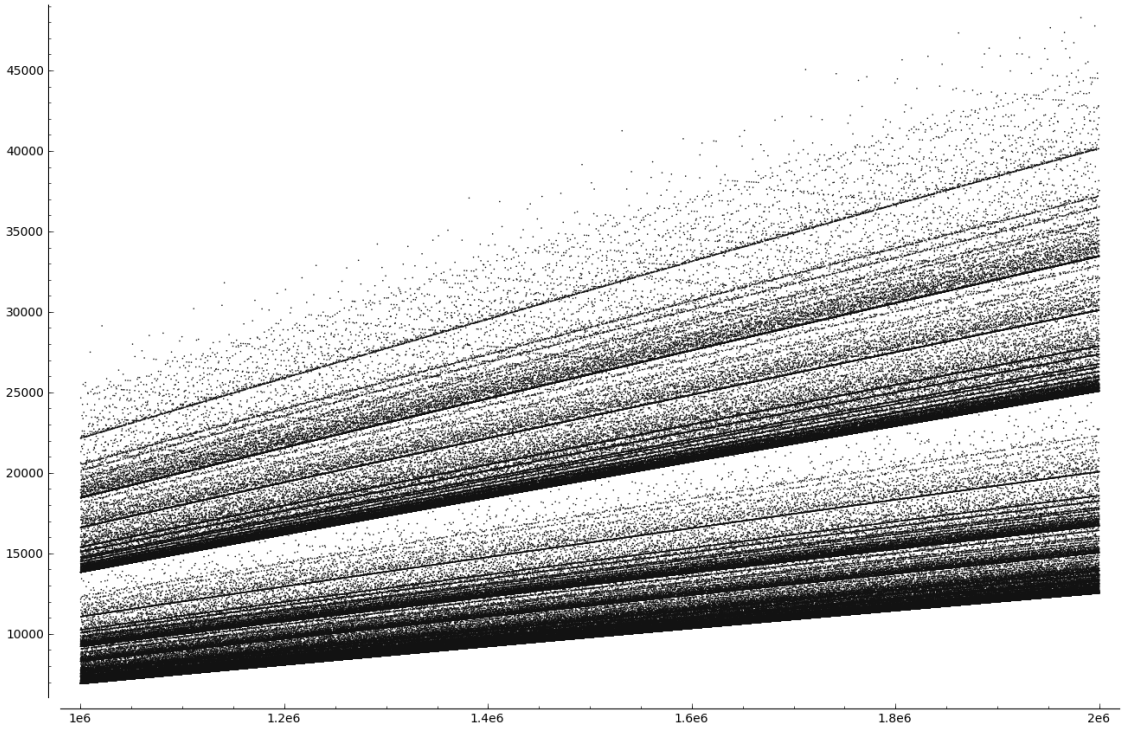
1. Conjetura de los primos gemelos

N	$\pi_2(N)/F_1(N)$
10^2	1.69660739535
10^3	1.67009790480
10^4	1.73902258023
10^5	1.62238082180
10^6	1.55920340392
10^7	1.53225915772

N	$\pi_2(N)/F_2(N)$
10^2	0.78036265826
10^3	1.00908007761
10^4	1.26355052039
10^5	1.29419782137
10^6	1.30767275979
10^7	1.32540645764

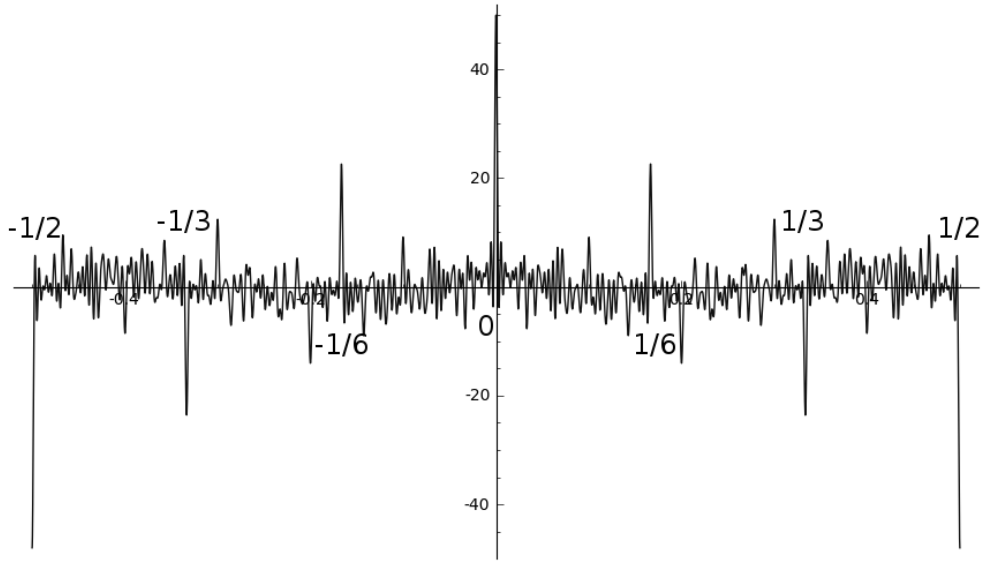
$$F_1(N) = \frac{N}{\log^2 N} \qquad F_2(N) = \int_1^N \frac{dt}{\log^2 t}$$

2. Conjetura de Goldbach

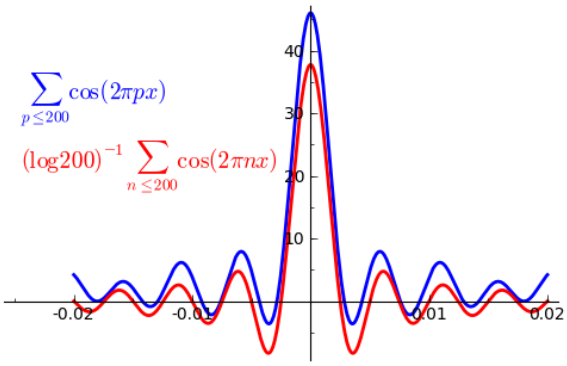


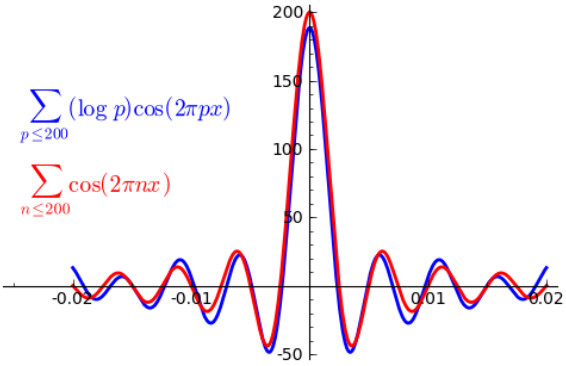
$r_G(N)$ para $10^6 \leq N < 2 \cdot 10^6$

3. $F(x) = \sum_{p \leq 50} \cos(2\pi p x)$



4. Arcos mayores





Los arcos menores son "ruido".

A veces el ruido tiene estructura

$$E(N) = \sum_{n=1}^{N} e^{2\pi i n^{3/2}}$$