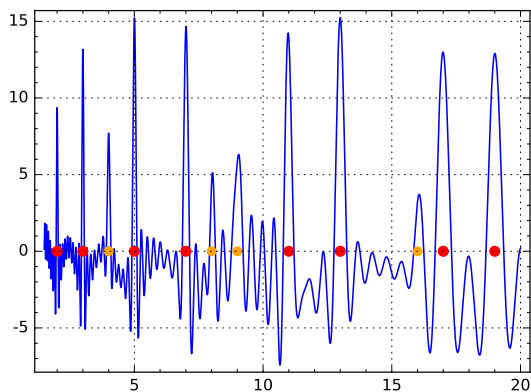


J. Rugis  
 27 December, 2016  
 Maraetai, New Zealand

## Prime Number and Zeta Zero Spectrum

From zeta zeros to prime powers:

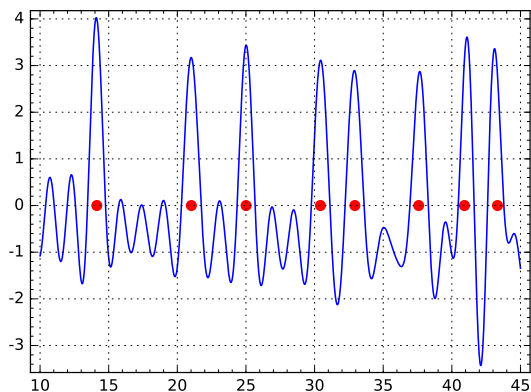
$$S_{\rho}(x) = - \sum_{\rho} \cos(\log(x)\rho)$$



$S_{\rho}(x)$  summed over 50 zeta zeros.

From prime powers to zeta zeros:

$$S_p(x) = - \sum_{p^n} \frac{\log(p)}{p^{n/2}} \cos(x \log(p^n))$$



$S_p(x)$  summed over prime powers up to 50.