Said Maraev
maraev@gmx.net

27th May 2009

Zeta-Function for all odd numbers for Zeta: $Z\left(3,5,7,\ldots\left(2i+1\right)\right)$.

I. $$Z\left(2i+1\right)=\lim_{n\to\infty}\left(N_0^{(-1)^{2^{2\cdot\lfloor \log_4 i\rfloor}}}\cdot\left(A_1\cdot N_1\right)^2\right)^{A_2\cdot N_{2'}^{2+\sum_{t=1}^{n}\frac{1}{t+1}}};$$

II. $$Z\left(2i+1\right)=\lim_{n\to\infty}\left(N_0^{(-1)^{2^{2\cdot\lfloor \log_4 i\rfloor}}}\cdot\left(A_1\cdot N_1\right)^2\right)^{A_2\cdot N_2^{1+\sum_{t=1}^{n}\frac{1}{t+1}}};$$

$$for:\begin{cases} I.\ i=1; \\ II.\ i=2,3,4,\ldots\infty; \\ n=1,2,3,\ldots\infty; \\ t=1,2,3,\ldots n; \\ l=1,2,3,\ldots\left(i-3\right)^2; \\ N_0=\prod_{l=1}^{(i-3)^2} Z\left(2\left(l+2i\right)\right); \\ N_1=\prod_{t=1}^{n} Z\left(2\left(t+2i\right)\right); \\ I.\ N_{2'}=\prod_{t=1}^{n} Z\left(2\left(t+i+6\right)\right); \\ II.\ N_2=\prod_{t=1}^{n} Z\left(2\left(t+i+2\right)\right); \\ A_1=Z\left(2\left(i+1\right)\right); \\ A_2=Z\left(2\left(i+2\right)\right); \end{cases}$$

$a)$ $\prod_{l=1}^{(i-3)^2} Z\left(2\left(l+2i\right)\right)=1,\ if\ :i=3;\ because:l=0\ \nexists;$

$b)$ $Z\left(2m\right)=\frac{2^{2m-1}\cdot\pi^{2m}\cdot B_{2m}}{\left(2m\right)!};$ where $\{B_{2m}\}$ are the numbers (coefficients) of Bernoulli.