

 $\sum_{N} \Delta y_{i} = \frac{N^{2} \log N}{N} \left( \frac{1}{N+N} + \frac{1}{2(2N+N)} + \frac{1}{3(3N+N)} + \frac{1}{2(2N+N)} \right)$ log N (log N N+N) Lieg N Fill Riemann Zeta Function (5=2) Each row slice is loglog N Total sime for N to N is O log N loglogh = O (log N) Recarsion stops when N= lopp N log N = 90 loglog N 9 = log N Cloglog N

Ct (w) (20+2) can be prinivaasan 6/2013