```
Sum[x^(-sk)/k!, {k, 0, Infinity}]
\mathbb{e}^{x^{-s}}
N@ \frac{x^{s}}{-1+x^{s}} / . x \rightarrow 3 / . s \rightarrow 3
1.03846
N@1 / (1 - x^{-s}) / . x \rightarrow 3 / . s \rightarrow 3
1.03846
Product [(1/(1-x^-s))^(MoebiusMu[k]/k), \{k, 1, Infinity\}]
N@Table[E^{(2^{-2}/k), \{k, 1, 10\}}]
{1.28403, 1.13315, 1.0869, 1.06449, 1.05127, 1.04255, 1.03636, 1.03174, 1.02817, 1.02532}
N[1/(1-2^{-2})]
1.33333
Clear[12mx]
12mx[n_{k-1}, k_{l-1}] := 12mx[n, k] = Sum[-(2^j-1)/j12mx[n-j, k-1], {j, 1, n-1}]
12mx[n_{,1}] := -(2^n-1)/n
12mx[n_{,0}] := If[n = 0, 1, 0]
Table[f2mx[n, 1], \{n, 0, 10\}]
Series [2^{(1)} - 1/(1-x^{-2}), \{x, 0, 20\}]
2 + x^{2} + x^{4} + x^{6} + x^{8} + x^{10} + x^{12} + x^{14} + x^{16} + x^{18} + x^{20} + 0[x]^{21}
Series[(2x^2-1)/(x^2-1), \{x, 0, 20\}]
1 - x^2 - x^4 - x^6 - x^8 - x^{10} - x^{12} - x^{14} - x^{16} - x^{18} - x^{20} + 0[x]^{21}
Series [(1-2x^2)/(1-x^2), \{x, 0, 20\}]
1 - x^2 - x^4 - x^6 - x^8 - x^{10} - x^{12} - x^{14} - x^{16} - x^{18} - x^{20} + 0[x]^{21}
Series[(1-2x^{-s})/(1-x^{-s}), \{x, 0, 20\}]
1 - 2 x^{-s}
 1 - x^{-s}
D[(1-2x^{-s})^{z}, z]/.z \rightarrow 0
Log[1-2x^{-s}]
Series[1/(1-2x^1), \{x, 0, 20\}]
1 + 2 x + 4 x^{2} + 8 x^{3} + 16 x^{4} + 32 x^{5} + 64 x^{6} + 128 x^{7} + 256 x^{8} +
 512 x^9 + 1024 x^{10} + 2048 x^{11} + 4096 x^{12} + 8192 x^{13} + 16384 x^{14} + 32768 x^{15} +
 65\,536\,\mathrm{x}^{16} + 131\,072\,\mathrm{x}^{17} + 262\,144\,\mathrm{x}^{18} + 524\,288\,\mathrm{x}^{19} + 1\,048\,576\,\mathrm{x}^{20} + 0\,\mathrm{[x]}^{21}
Sum[1/k!x^(-sk), {k, 0, Infinity}]
e^{x^{-s}}
```

```
Sum[1/k! \times 2^k x^(-sk), \{k, 0, Infinity\}]
e<sup>2 x⁻s</sup>
FullSimplify \left[e^{x^{-s}} / e^{2x^{-s}}\right]
Sum[(-1)^k/k!x^(-sk), \{k, 0, Infinity\}]
N[E^{-(2^{-3}) Product[E^{(Prime[j]^{-3}), {j, 2, 160}]]}
0.927523
N@Product[(((1-2^(1-3))Zeta[3k]))^(MoebiusMu[k]/k), \{k, 1, 300\}]
1.19457
FullSimplify[((1-2^{(1-s)})/(1-2^{-s})) Product[1/(1-Prime[j]^{-s}), {j, 2, Infinity}]]
2^{-s} (-2 + 2^{s}) \text{ Zeta[s]}
Expand [2^{-s}(-2+2^{s})]
1 - 2^{1-s}
Series[1/(1-2x), \{x, 0, 10\}]
1 + 2 \times 4 \times 2 + 8 \times 3 + 16 \times 4 + 32 \times 5 + 64 \times 6 + 128 \times 7 + 256 \times 8 + 512 \times 9 + 1024 \times 10 + 0 \times 11 \times 10^{-12} \times 10^{-1
Table[Integrate[x^k, x] /. x \rightarrow 1, {k, 0, 10}]
\left\{1, \frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \frac{1}{5}, \frac{1}{6}, \frac{1}{7}, \frac{1}{8}, \frac{1}{9}, \frac{1}{10}, \frac{1}{11}\right\}
\left\{1, 1, \frac{4}{3}, 2, \frac{16}{5}, \frac{16}{3}, \frac{64}{7}, 16, \frac{256}{9}, \frac{256}{5}, \frac{1024}{11}\right\}
Table[2^k / (k+1), \{k, 0, 10\}]
\left\{1,\,1,\,\frac{4}{3},\,2,\,\frac{16}{5},\,\frac{16}{3},\,\frac{64}{7},\,16,\,\frac{256}{9},\,\frac{256}{5},\,\frac{1024}{11}\right\}
A1[n_] := HarmonicNumber[Floor[n]]
A2[n_{-}] := Sum[2^{(k-1)}/(k), \{k, 1, n\}]
mA1[n_] := Sum[MoebiusMu[k] / kA1[n/k], {k, 1, n}]
mA2[n_] := Sum[MoebiusMu[k]/kA2[n/k], {k, 1, n}]
Table [mA2[n], \{n, 1, 10\}]
\left\{1, \frac{3}{2}, \frac{5}{2}, 4, 7, \frac{23}{2}, \frac{41}{2}, \frac{71}{2}, \frac{127}{2}, 113\right\}
Table[mA1[n], {n, 1, 10}]
 \{1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1\}
Table[A1[n], {n, 1, 10}]
\left\{1\,,\,\frac{3}{2}\,,\,\frac{11}{6}\,,\,\frac{25}{12}\,,\,\frac{137}{60}\,,\,\frac{49}{20}\,,\,\frac{363}{140}\,,\,\frac{761}{280}\,,\,\frac{7129}{2520}\,,\,\frac{7381}{2520}\right.
```

```
Table[A2[n], {n, 1, 10}]
pf[n_] := Sum[Sum[MoebiusMu[d] 2^(m/d-1)/m, {d, Divisors[m]}], {m, 1, n}]
Table[pf[n], {n, 1, 10}]
\left\{1, \frac{3}{2}, \frac{5}{2}, 4, 7, \frac{23}{2}, \frac{41}{2}, \frac{71}{2}, \frac{127}{2}, 113\right\}
A2[2] - 1 / 2 A2[1]
A2[3]
10
Sum[Pochhammer[z, k] / k! x^k, {k, 0, Infinity}]
Sum[Pochhammer[z, k] / k! 2^k x^k, {k, 0, Infinity}]
(1 - 2x)^{-z}
Sum[Pochhammer[z, k] / k! (-1) ^k x^k, {k, 0, Infinity}]
(1 + x)^{-z}
Sum[ x^(2k), {k, 0, Infinity}]
Sum[Pochhammer[z, k] / k! x^(2k), {k, 0, Infinity}]
(1 - x^2)^{-z}
{\tt CoefficientList[Series[Log[1-x],\{x,0,20\}],x]}
\left\{0, -1, -\frac{1}{2}, -\frac{1}{3}, -\frac{1}{4}, -\frac{1}{5}, -\frac{1}{6}, -\frac{1}{7}, -\frac{1}{8}, -\frac{1}{9}, \right\}
 -\frac{1}{10}, -\frac{1}{11}, -\frac{1}{12}, -\frac{1}{13}, -\frac{1}{14}, -\frac{1}{15}, -\frac{1}{16}, -\frac{1}{17}, -\frac{1}{18}, -\frac{1}{19}, -\frac{1}{20} \big\}
iv[n_{-}] := Sum[(-1)^{(k+1)/k}, \{k, 1, n\}]
iv[1]
1
iv[2] - (1/2) iv[1]
```

InverseSeries[Series[Log[1/(1-x)], {x, 0, 10}]]

$$\mathbf{x} - \frac{\mathbf{x}^2}{2} + \frac{\mathbf{x}^3}{6} - \frac{\mathbf{x}^4}{24} + \frac{\mathbf{x}^5}{120} - \frac{\mathbf{x}^6}{720} + \frac{\mathbf{x}^7}{5040} - \frac{\mathbf{x}^8}{40320} + \frac{\mathbf{x}^9}{362880} - \frac{\mathbf{x}^{10}}{3628800} + O[\mathbf{x}]^{11}$$

Clear[pp]

$$pp[n_-, k_-] := pp[n, k] = Sum[ (-1)^(j+1) / jpp[Floor[n/j], k-1], \{j, 2, n\}]$$

pp[n\_, 0] := UnitStep[n-1]

$$ppz[n_{,z_{|}} := Sum[bin[z,k],pp[n,k], \{k,0,Log2@n\}]$$

Table[ $ppz[n, -1] - ppz[n-1, -1], \{n, 1, 10\}$ ]

$$\left\{1\,,\,\,\frac{1}{2}\,,\,\,-\frac{1}{3}\,,\,\,\frac{1}{2}\,,\,\,-\frac{1}{5}\,,\,\,-\frac{1}{6}\,,\,\,-\frac{1}{7}\,,\,\,\frac{1}{2}\,,\,\,0\,,\,\,-\frac{1}{10}\,\right\}$$

N@ppz[1000000, -1]

1.18562

$$2^(z_{1.1856200038814326}) /. z \rightarrow 1$$

2.27461

$$Sum[(ppz[j,-1]-ppz[j-1,-1])ppz[100/j,1],{j,1,100}]$$

1

Log[2.]

0.693147

$$A1[n_] := Sum[1/(k) x^k, \{k, 1, n\}]$$

$$A2[n_] := Sum[2^{(k-1)}/(k)x^k, \{k, 1, n\}]$$

$$A2a[n_] := 2^{n}(n-1) A1[n] - Sum[2^{n}(k-1) A1[k], \{k, 1, n-1\}]$$

A1[5]

$$x + \frac{x^2}{2} + \frac{x^3}{3} + \frac{x^4}{4} + \frac{x^5}{5}$$

Expand[16 A1[5] - 8 A1[4] - 4 A1[3] - 2 A1[2] - A1[1]]

$$x + x^2 + \frac{4 x^3}{3} + 2 x^4 + \frac{16 x^5}{5}$$

A2[5

$$x + x^2 + \frac{4 x^3}{3} + 2 x^4 + \frac{16 x^5}{5}$$

Expand[32 A1[6] - 16 A1[5] - 8 A1[4] - 4 A1[3] - 2 A1[2] - A1[1]]

$$x + x^2 + \frac{4 x^3}{3} + 2 x^4 + \frac{16 x^5}{5} + \frac{16 x^6}{3}$$

A2[6]

$$x + x^2 + \frac{4 x^3}{3} + 2 x^4 + \frac{16 x^5}{5} + \frac{16 x^6}{3}$$

```
Expand[A2a[6]]
x + x^2 + \frac{4 x^3}{3} + 2 x^4 + \frac{16 x^5}{5} + \frac{16 x^6}{3}
Expand[E^(2^-s) E^(-2^(1-s))]
e-21-s+2-s
N[E^{(-2^{(-s)})}] Product[E^{(prime[j]^{-s})}, \{j, 2, Infinity\}] /.s 	o 3]
0.927523
N[E^{(-2^{(1-s)})}] Product [E^{(Prime[j]^{-s})}, \{j, 1, Infinity\}] /. s 	o 3]
0.927523
\label{eq:neproduct} N@Product[\ (((1-2^{(k(1-3))})\ Zeta[3\,k]))^{(MoebiusMu[k]/k),\ \{k,\,1,\,300\}]
0.927523
N[Product[E^{(prime[j]^-s)}, {j, 1, Infinity}] /. s \rightarrow 3]
1.19096
N@Product[Zeta[3k]^(MoebiusMu[k]/k), \{k, 1, 300\}]
1.19096
\texttt{N[Product[\ (1\ /\ (1-x^{\, \prime}\ (k\ (-s))))\ ^{\, \prime}\ (MoebiusMu[k]\ /\ k)\ ,\ \{k,\,1,\,100\}]\ /.\ x\rightarrow 2\ /.\ s\rightarrow 3]}
1.13315
N[E^{(2^{-3})}]
1.13315
N[Product[(1/(1-x^{(k(1-s))}))^{(-MoebiusMu[k]/k), \{k, 1, 100\}]/.x \rightarrow 2/.s \rightarrow 3]
0.778801
N[E^(-(2^(1-3)))]
0.778801
```

FullSimplify $[E^{(-(2^{(1-s))})}E^{(2^{(-s)})}]$ 

Sum[(-1) b 2 (-bs) b!, {b, 0, Infinity}]

Sum[ 3^(-bs) / b!, {b, 0, Infinity}]

 $e^{-2^{-s}}$ 

```
Clear[pd, ps]
ps[n_{,s_{|}} := ps[n,s] = N@Sum[Prime[j]^-s, {j, 1, PrimePi[n]}]
pr[n1_, n2_, s_] := ps[n2, s] - ps[n1, s] + 1
If[n < Prime[k]^2, pr[Prime[k], n, s], Sum[</pre>
     N[ Prime[k]^{(-as)/a!} pda[Floor[n/Prime[k]^a], s, k+1], \{a, 0, Log[Prime[k], n]\}]]]
pdb [n\_, s\_, k\_] := If[n < Prime[k], 1, If[n < Prime[k]^2, pr[Prime[k], n, s],
   Sum[N[(-1)^aPrime[k]^(-as)/a!]pda[Floor[n/Prime[k]^a], s, k+1],
    {a, 0, Log[Prime[k], n]}]]
pdc [n_{-}, s_{-}, k_{-}] := pdc [n, s, k] = If [n < Prime[k], 1, Sum[N[ (-1) ^a Prime[k] ^ (-a s) / a!]]
     pd[Floor[n/Prime[k]^a], s, k+1], \{a, 0, Log[Prime[k], n]\}]]
pd[100000, 2, 1]
1.57183
$RecursionLimit = 1000000
1000000
Zeta[2.]
1.64493
Prime[5]
11
pd[100, 2, 5]
124\,020\,778\,002\,215\,450\,777\,436\,066\,242\,054\,922\,242\,650\,889\,014\,310\,897\,895\,124\,981\,018\,510\,/
 120\,536\,136\,879\,181\,028\,275\,917\,507\,552\,308\,234\,524\,376\,627\,510\,960\,757\,059\,061\,829\,251\,289
PrimePi[100] - PrimePi[10] + 1
22
ps[100, 2] - ps[10, 2] + 1
124 020 778 002 215 450 777 436 066 242 054 922 242 650 889 014 310 897 895 124 981 018 510 /
120 536 136 879 181 028 275 917 507 552 308 234 524 376 627 510 960 757 059 061 829 251 289
pdb[1000000, N[ZetaZero[1]], 1]
9.7203 + 16.1394 i
pdc[10000, N[ZetaZero[1]], 1]
$Aborted
Clear[dz]
FI[n_] := FactorInteger[n]; FI[1] := {}
dz[n_{-}] := dz[n] = Product[1/(p[[2]]!), {p, FI[n]}]
sdz[n_{,s_{,j}} := Sum[dz[j] j^-s, {j, 1, n, 2}]
si[n_, s_] := Sum[N[(-1)^a2^(-as)/a!] sdz[Floor[n/2^a], s], {a, 0, Log[2, n]}]
pdc[100000, .5, 1]
169.623
```

```
si[100000, 3]
0.927523
\label{eq:neproduct} N@Product[\ (((1-2^{(k(1-2))})\ Zeta[2\,k]))^{(MoebiusMu[k]/k),\ \{k,\,1,\,300\}]
0.95337
(((1-2^((1-.5))) Zeta[.5]))
0.604899
N[E^{(-2^{(1-s)})} Product[E^{(-Prime[j]^{-s})}, \{j, 1, Infinity\}] /. s \rightarrow .5]
Infinity::indet: Indeterminate expression e^{\text{ComplexInfinity}} encountered. \gg
Indeterminate
Clear[oz]
oz[0, z_{-}] := 1
oz[n_, z_] := oz[n, z] = Product[z^p[[2]] / (p[[2]]!), {p, FI[n]}]
\texttt{dzo}[\texttt{n}\_, \texttt{z}\_] := \texttt{Product}[\texttt{Pochhammer}[\texttt{z}, \texttt{p}[[2]]] \ / \ (\texttt{p}[[2]] \, !) \, , \, \{\texttt{p}, \, \texttt{FI}[\texttt{n}]\}]
\label{eq:moz_n_s_k_limit} \texttt{moz} [\texttt{n}\_, \texttt{s}\_, \texttt{k}\_] := \texttt{Sum} [\, \texttt{dzo}[\texttt{j}, \texttt{MoebiusMu}[\texttt{k}] \, / \, \texttt{k}] \, \texttt{j}^{\, } (-\texttt{s}\,\texttt{k}) \, \texttt{moz} [\texttt{Floor}[\texttt{n} \, / \, \texttt{j}^{\, } \texttt{k}] \, , \, \texttt{s}, \, \texttt{k} \, - \, \texttt{1}] \, ,
    {j, 1, If[k = 1, n, Floor[Log[k, n]]]}
moz[n_{, s_{, 0}] := 1
mzz[n_{,s_{]}} := moz[n, s, Floor[Log[2, n]] + 1]
Table [mzz[n, 1] - mzz[n-1, 1], \{n, 2, 10\}]
\big\{\frac{1}{2}\,,\,\frac{1}{3}\,,\,\frac{1}{8}\,,\,\frac{1}{5}\,,\,\frac{1}{6}\,,\,\frac{1}{7}\,,\,\frac{1}{16}\,,\,\frac{1}{18}\,,\,\frac{1}{10}\big\}
oz[1, z]
1
Log[2., 10]
3.32193
```

```
Clear[pe]
pe[n_{-}, s_{-}, 1] := (-1) ^ (n+1) n^-s
pe[n_{,s_{,0},0]} := If[n = 0, 1, 0]
pas[n_, s_, z_] := Sum[pa[j, s, z], {j, 0, n}]
peo[n_{,s_{,k_{,j}}}] := peo[n,s,k] = N@Sum[j^-speo[n-j,s,k-1], \{j,1,n-1\}]
peo[n_{,s_{,1}}:=n^{-s}
peo[n_{, s_{, 0}] := If[n = 0, 1, 0]
Chop@Table[pa[n, 2, -1], \{n, 0, 30\}]
\{1, -1, 0.75, -0.527778, 0.371528, -0.267083, 0.197157, -0.14943, 0.116041, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, -0.0920854, 
  0.0744801, -0.0612542, 0.0511188, -0.0432119, 0.0369442, -0.0319041, 0.0277988, \\
   -0.0244159, 0.0215989, -0.0192309, 0.0172231, -0.0155073, 0.0140304, -0.0127507,
   0.0116352, -0.0106574, 0.00979569, -0.00903277, 0.00835423, -0.00774824, 0.00720492\}
```

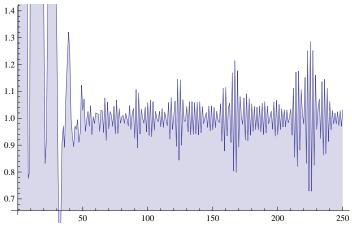
#### DiscretePlot[ $\{Re[pas[n, .5 + 21.022I, 1]]\}, \{n, 0, 250\}$ ]



DiscretePlot[ $\{Im[pas[n, .5 + 21.022I, 1]]\}, \{n, 0, 250\}$ ]



#### ${\tt DiscretePlot[\{Abs[pas[n, .5+21.022\,I,\,1]]\},\,\{n,\,0,\,250\}]}$



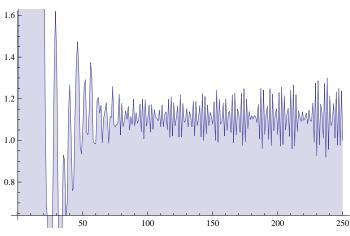
N[E^(Pi^2/12)]

2.27611

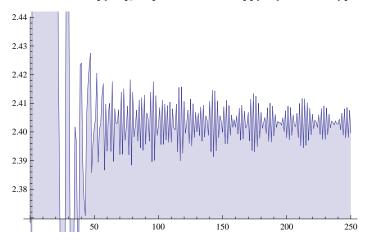
### N@ZetaZero[2]

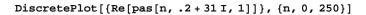
0.5 + 21.022 i

#### DiscretePlot[{Re[pas[n, .5 + 31I, 1]]}, {n, 0, 250}]



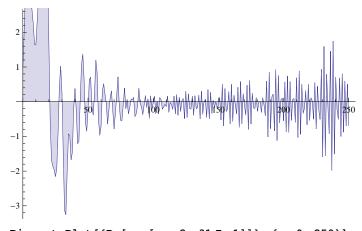
DiscretePlot[ $\{Re[pas[n, .8 + 31I, 1]]\}, \{n, 0, 250\}$ ]



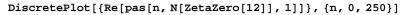


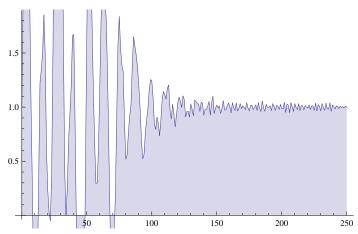


 ${\tt DiscretePlot[\{Re[pas[n, .35+31I, 1]]\}, \{n, 0, 250\}]}$ 



 ${\tt DiscretePlot[\{Re[pas[n, .2+31\,I,\,1]]\},\,\{n,\,0,\,250\}]}$ 

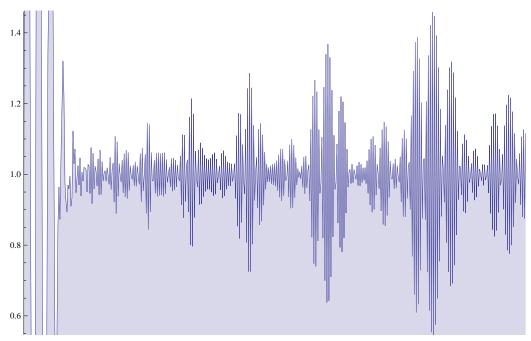




N[ZetaZero[12]]

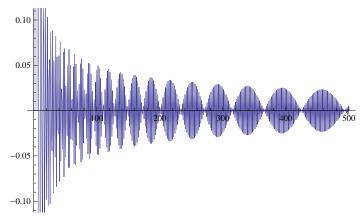
0.5 + 56.4462 i

# ${\tt DiscretePlot[\{Re[pas[n, .5+21.022\,{\tt I},\,1]]\},\,\{n,\,0,\,500\}]}$



 $\label{eq:det_n_s_j} \det[\, n_-,\, s_-] \, := \, \text{Sum}[\, (-1) \, {}^{\wedge} \, (\, j+1) \, \, j \, {}^{\wedge} - s \, , \, \, \{\, j,\, 1\, ,\, n \} \, ]$ 

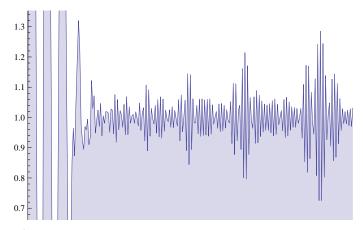
### DiscretePlot[Re[det[n, .5 + 21.022 I]], {n, 0, 500}]



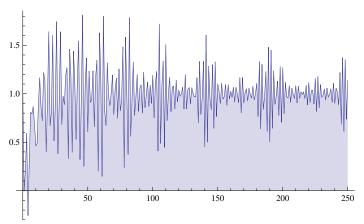
det[10, .5 + I]

0.74872 + 0.302933 i

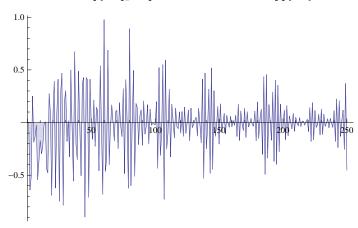
#### ${\tt DiscretePlot[\{Re[pas[n, .5+21.022\,I,\,1]]\},\,\{n,\,0,\,250\}]}$



 $\label{eq:discretePlot} DiscretePlot[\{Re[pas[n, .5 + 21.022\,I, -1]]\}, \{n, 0, 250\}]$ 



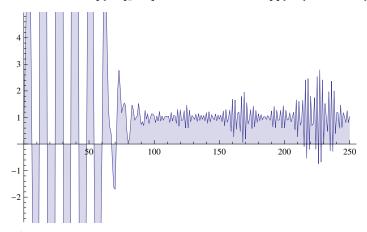
 ${\tt DiscretePlot[\{Im[pas[n, .5+21.022\,I, -1]]\}, \{n, 0, 250\}]}$ 



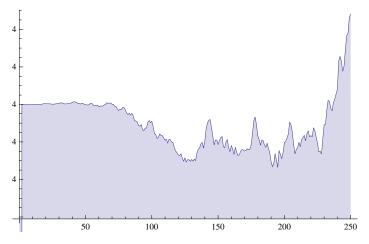
# ${\tt DiscretePlot[\{Re[pas[n, .5+21.022\,I,\,I]]\},\,\{n,\,0,\,250\}]}$



### ${\tt DiscretePlot[\{Re[pas[n, .5+21.022\,I,\,2]]\},\,\{n,\,0,\,250\}]}$



# ${\tt DiscretePlot[\{Re[pas[n, 1, 2]]\}, \{n, 0, 250\}]}$



# ${\tt DiscretePlot[\{Re[pas[n, 1, -1]]\}, \{n, 0, 50\}]}$

