

```

DD[n_, k_] := Sum[DD[n / j, k - 1], {j, 1, n}]
DD[n_, 0] := 1
PP[n_, k_, a_] := PP[n, k, a] =
  Sum[ j^a N[ MangoldtLambda[j] / Log[j]] ( 1 / (k!) + PP[Floor[n / j], k + 1, a]), {j, 2, n}]
P2[n_, a_] := 1 + PP[n, 1, -a]
P3[n_, k_] := P2[n, k] / k

```

```

P5[j_, n_] := P2[j, .5` + n i] + P2[j, .5` - n i]

```

```

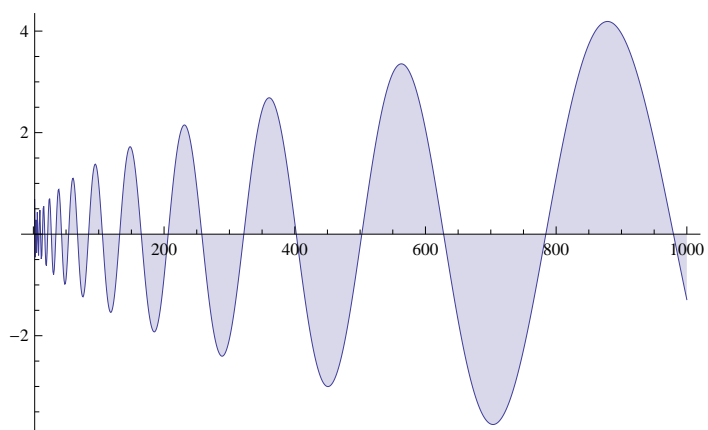
P6[j_, k_, n_] := P2[j, k + n i] + P2[j, k - n i]

```

```

DiscretePlot[P5[j, 14.134725141734695` ], {j, 2, 1000}]

```



```

N[Pi^2 / 6]

```

```

1.64493

```

```

N[ZetaZero[2]]

```

```

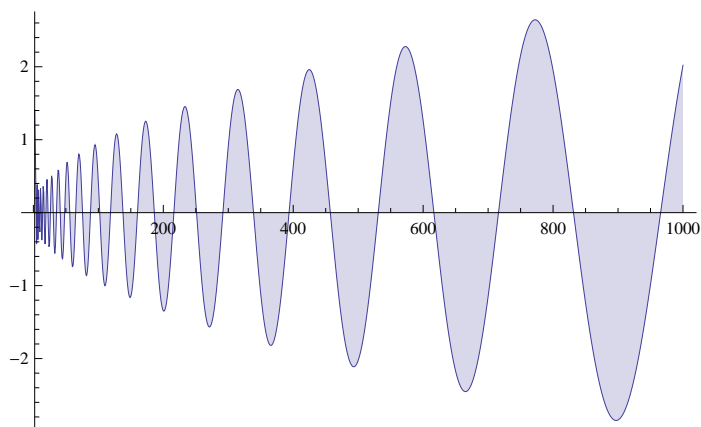
0.5 + 21.022 i

```

```

DiscretePlot[P5[j, 21.022039638771556` ], {j, 2, 1000}]

```



```

N[ZetaZero[20]]

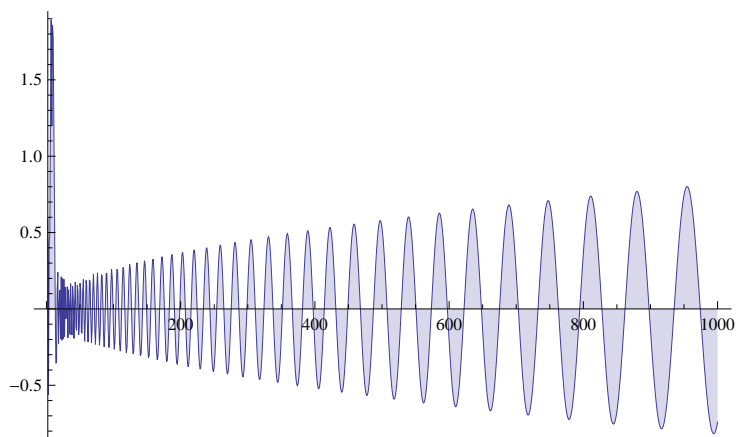
```

```

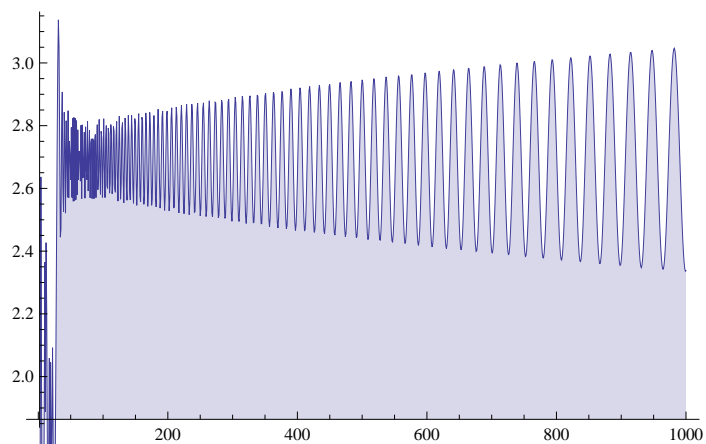
0.5 + 77.1448 i

```

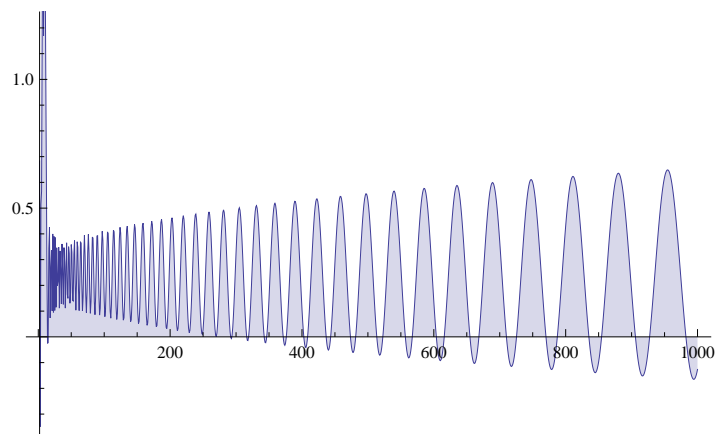
```
DiscretePlot[P5[j, 77.1448400688748` ], {j, 2, 1000}]
```



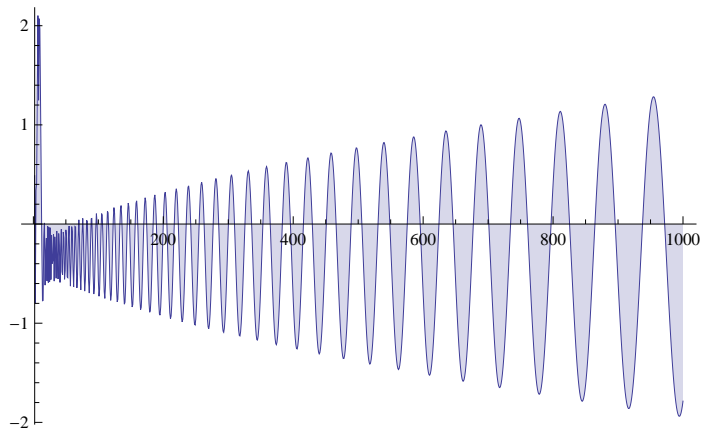
```
DiscretePlot[P5[j, 177.1448400688748` ], {j, 2, 1000}]
```



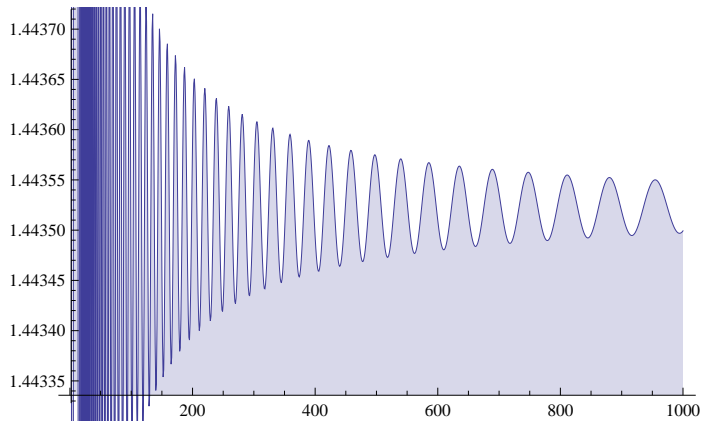
```
DiscretePlot[P6[j, .6, 77.1448400688748` ], {j, 2, 1000}]
```



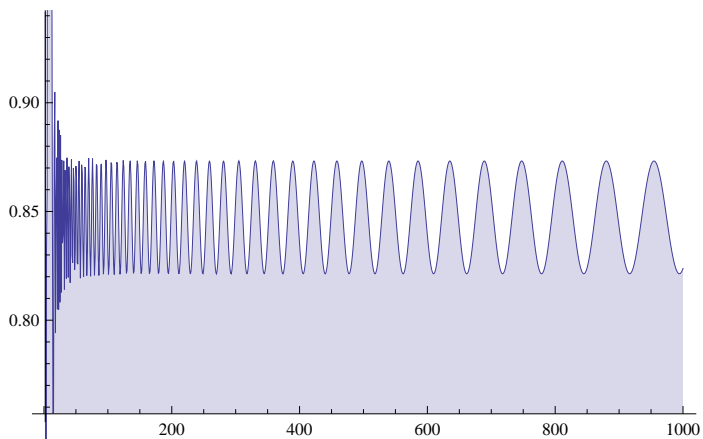
```
DiscretePlot[P6[j, .4, 77.1448400688748` ], {j, 2, 1000}]
```



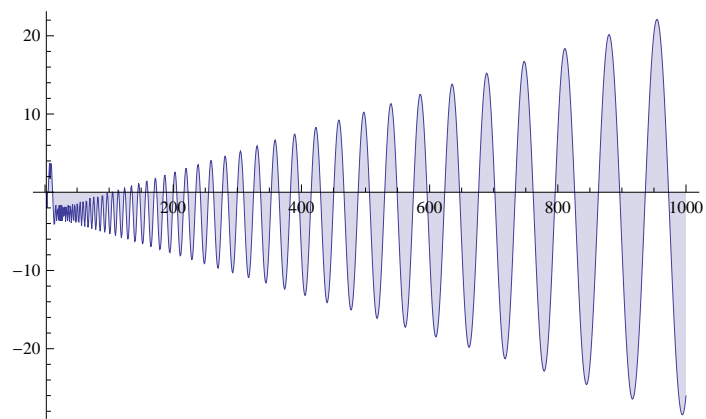
```
DiscretePlot[P6[j, 2, 77.1448400688748` ], {j, 2, 1000}]
```



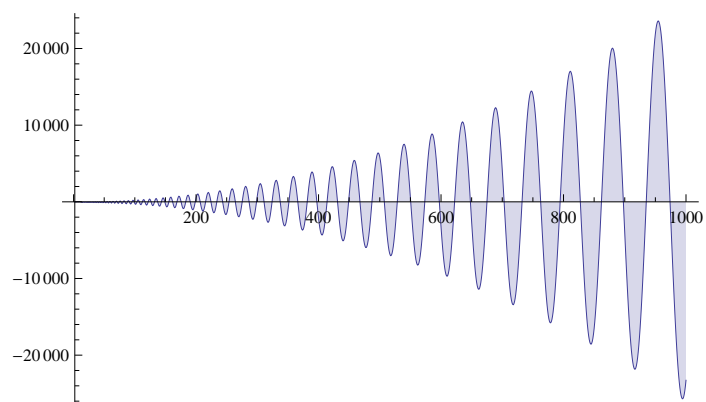
```
DiscretePlot[P6[j, 1, 77.1448400688748` ], {j, 2, 1000}]
```



`DiscretePlot[P6[j, 0, 77.1448400688748`], {j, 2, 1000}]`



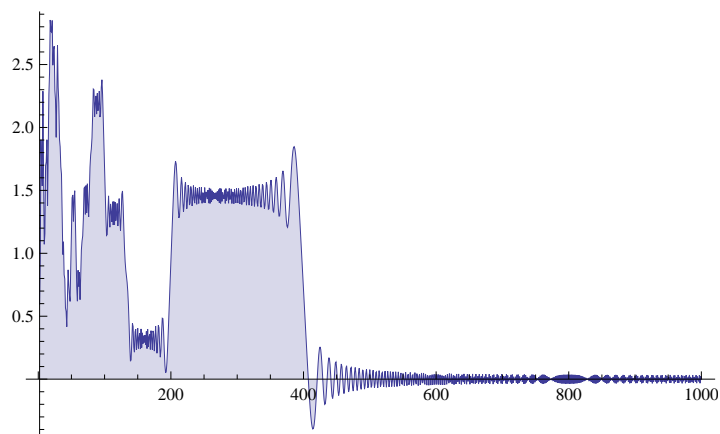
`DiscretePlot[P6[j, -1, 77.1448400688748`], {j, 2, 1000}]`



`N[ZetaZero[2000]]`

`0.5 + 2515.29 i`

`DiscretePlot[P5[j, 2515.286482924713`], {j, 2, 1000}]`



```
DiscretePlot[P6[j, .5, 3.1448400688748` ], {j, 2, 1000}]
```

