

Δ-*Pair* Correlations of Rank 4 Zeros

Up to first 63,500 zeros

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In[78]:= ListPlot[Table[
  (
     $\frac{1}{2\pi} * (\text{zeros4}[[n+1]] - \text{zeros4}[[n]]) - \frac{1}{\text{Log}[n+1]}$ 
  ) *
  (
     $\text{Log}\left[\frac{1}{2\pi} * \text{zeros4}[[n]]\right] - \text{Log}\left[\frac{n}{\text{Log}[n+1]}\right]$ 
  ) *
   $\text{Log}[n]^3$ , {n, 2, Length[zeros4] - 1}]
spaces = Table[
  (
     $\frac{1}{2\pi} * (\text{zeros4}[[n+1]] - \text{zeros4}[[n]]) - \frac{1}{\text{Log}[n+1]}$ 
  ) *
  (
     $\text{Log}\left[\frac{1}{2\pi} * \text{zeros4}[[n]]\right] - \text{Log}\left[\frac{n}{\text{Log}[n+1]}\right]$ 
  ) *
   $(\text{Log}[n])^3$ , {n, 2, Length[zeros4] - 1}];
Histogram[spaces, {Min[spaces], Max[spaces]}, 0.8]

```

