

Spectral Operator and Comparison with Zeta Zeros

Spacing Comparison Table

| n | γ_n | γ_{n+1} | Zeta Spacing | μ_n | μ_{n+1} | Spectral Spacing |
|-----|------------|----------------|--------------|---------|-------------|------------------|
| 1 | 14.13 | 21.02 | 6.89 | 14.92 | 21.05 | 6.13 |
| 2 | 21.02 | 25.01 | 3.99 | 21.05 | 25.02 | 3.97 |
| 3 | 25.01 | 30.42 | 5.41 | 25.02 | 30.13 | 5.11 |
| 4 | 30.42 | 32.93 | 2.51 | 30.13 | 32.87 | 2.74 |
| 5 | 32.93 | 37.59 | 4.65 | 32.87 | 37.20 | 4.33 |
| 6 | 37.59 | 40.92 | 3.33 | 37.20 | 40.71 | 3.51 |
| 7 | 40.92 | 43.33 | 2.41 | 40.71 | 44.10 | 3.39 |
| 8 | 43.33 | 48.01 | 4.68 | 44.10 | 47.62 | 3.52 |
| 9 | 48.01 | 49.77 | 1.77 | 47.62 | 51.04 | 3.42 |
| 10 | 49.77 | 52.97 | 3.20 | 51.04 | 54.50 | 3.46 |