Maimonides' Spring Equinox minus *molad* of Nisan

Based on his "True Solar Longitude" method, using binary search for solar longitude = zero degrees

The drifting lines represent the years of each 19-year leap cycle in the following sequence: 8 (earliest), 19, 11, 3, 14, 6, 17, 9, 1, 12 (average), 4, 15, 7, 18, 10, 2, 13, 5, and 16 (latest).

The average equinox minus *molad* difference always falls within a few minutes of the difference for year 12, and very close to (earliest + latest) / 2.

The total year 12 of 19 drift from era of Hillel ben Yehudah to the present ≈ 1+1/4 + 6+1/3 = 7+7/12 days = 7 days 14 hours.

Rambam's "true solar longitude" method closely reproduces the past and future drift of the Hebrew calendar for the next five millennia, but not the accelerating astronomical drift that will occur after Hebrew year 10500.

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