Pragmatic Civil Calendar 400-year Leap Week Cycle

\[ n = \text{Round}(71 \times \text{year} / 400), \text{ then } \text{year is leap if } \text{year} = \text{Round}(400 \times n / 71) \]

Simple Equivalent: Leap if remainder of \((71 \times \text{year} + 35) / 400\) is less than 71.

Jitter range is not symmetrically aligned with respect to zero on the y-axis. This could be made almost symmetrical (best possible for an even-length calendar cycle) by using \(K=200\) instead of \(K=35\) in the simple equivalent leap rule expression.

Jitter vs. Mean Year

\[ \text{Jitter range} = 6.9825 = 6 \frac{393}{400} \text{ days} \]