



so the stability of a perio

Feigenbaum number = 4:6692016091029909...?  
 Extrapolate the series to  $\delta_1$  by using your last two reliable values of  $\delta_n$  and equation 13.58. In the superstable orbit with  $2^n$  points, the nearest point to  $x = \frac{1}{2}$  is  $f^{[2^n-1]}(\frac{1}{2})$ .<sup>5</sup> Calculate the ratios of the amplitudes  $f^{[2^n-1]}(\frac{1}{2}) - \frac{1}{2}$  at suc

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