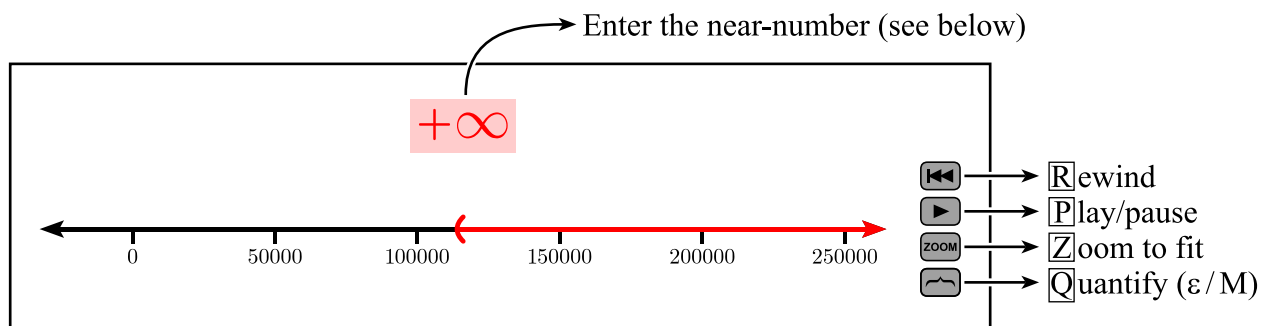


Please note that some browsers require the animation to be clicked first to activate it.



Entering near-numbers

Finite near-numbers: Enter the base of the near-number, then use +, −, and . to toggle the elements of its adornment.

Infinite near-numbers: Use + and/or − to select the sign, then press i (“infinity”). (+ and − can subsequently be used to toggle the sign)

Indeterminate (★): Press * or s (“star”).

- Press c to clear the input.

Quantifying near-numbers [Press Q to show/hide]

As a basic near-number squeezes toward its ideal, its “closeness” to that ideal can be quantified by the measurement of some distance on the real line (setting the table for the logical definition of convergence):

- Basic *finite* near-numbers squeeze ever *closer* to some location on the real line; we quantify this closeness by measuring the distance from this central value to the edge of the interval. The smaller this positive distance ϵ (or δ , etc.) is, the closer we are to the ideal.
- Basic *infinite* near-numbers push ever *farther* away from the origin; we thus quantify this closeness by measuring the distance from the origin to the start of the interval(s). The larger this distance M (or N , etc.) is, the closer we are to the ideal of “infinity.”