

NIST-CODATA: Universal Constants

This menu adds a listing of all the CODATA Fundamental Physical Constants from “<https://physics.nist.gov/cuu/Constants/>” website. To show it, touch the “**OPT**” and in the section “**1) Scientific**”, touch the “**Univ. Constants**” button.

CODATA: Universal Constants	
classical electron radius	+2.81794032270E-15 m
Compton wavelength	+2.42631023670E-12 m
Compton wavelength over 2 pi	+3.86159267640E-13 m
conductance quantum	+7.74809173100E-05 S
conventional value of Josephson constant	+4.83597900000E+14 Hz V ⁻¹
conventional value of von Klitzing constant	+2.58128070000E+04 ohm
Cu x unit	+1.00207697000E-13 m
deuteron-electron mag. mom. ratio	-4.66434553500E-04
deuteron-electron mass ratio	+3.67048296785E+03
deuteron g factor	+8.57438231100E-01
Update	Cancel

Touch any of the listed constants to enter its value into the calculator.

The first time this menu is selected, the “All values (ascii)” file is downloaded from the “physics.nist.gov/cuu/Constants” website, so an internet connection is required and the operation may take some time.

After the data is successfully retrieved, it will be available locally in the calculator.

Downloads the data from NIST website