

Spline piecewise graph: Green

For the interval (.9,1.3):  $1.3 + 0.5396238492562306(x-.9) - .2476490578514421(x-.9)^3$

For the interval (1.3,1.5):  $1.15 + .42075230148753845(x-1.3) - .29717886942173055(x-1.3)^2 + .9469120930523156(x-1.3)^3$

For the interval (1.9,1.85):  $1.85 + 1.086802718677962(x-1.9) + 1.407262898072437(x-1.9)^2 - 2.956382457311267(x-1.9)^3$

For the interval (2.1,2.1):  $2.1 + 1.294941983029585(x-2.1) - .36656657631432493(x-2.1)^2 - .44663477948968966(x-2.1)^3$

For the interval (2.6,2.6):  $2.6 + .5933993220979927(x-2.6) - 1.0365187455488594(x-2.6)^2 + .44505110075969534(x-2.6)^3$

For the interval (3,2.7):  $2.7 - .022191145976440896(x-3) - .5024574246372251(x-3)^2 + .17415987014396273(x-3)^3$

For the interval (4.4,2.15):  $2.15 - .4770750606285027(x-4.4) + .08488770573875365(x-4.4)^2 + 1.314171284150477(x-4.4)^3$

For the interval (4.7,2.05):  $2.05 - .07131619046462218(x-4.7) + 1.267641861474182(x-4.7)^2 - 1.5812189034551638(x-4.7)^3$

For the interval (5,2.1):  $2.1 + .2623398224869929(x-5) + 1.267641861474182(x-5)^2 - 1.5812189034551638(x-5)^3$

For the interval (6,2.25):  $2.25 + 0.08077550666147848(x-6) - 0.026109164190049883(x-6)^2 - .004666342471428775(x-6)^3$

For the interval (7,2.3):  $2.3 + 0.01455815086709239(x-7) - 0.04010819160433621(x-7)^2 - 0.024449959262756(x-7)^3$

For the interval (8,2.25):  $2.25 - .139008110129848(x-8) - .11345806939260421(x-8)^2 + .017470689861786695(x-8)^3$

For the interval (9.2,1.95):  $1.95 - .33583409646917955(x-9.2) - .05056358589017213(x-9.2)^2 - .012727908254745292(x-9.2)^3$

For the interval (10.5,1.4):  $1.4 - .5318299146351858(x-10.5) - .1002024280836788(x-10.5)^2 - .02032522327792245(x-10.5)^3$

For the interval (11.3,.9):  $.9 - .7311782282626832(x-11.3) - .14898296395069272(x-11.3)^2 + 1.213405008680248(x-11.3)^3$

For the interval (11.6,.7):  $.7 - .4929486542894339(x-11.6) - .9430815438615265(x-11.6)^2 - .8392747703448531(x-11.6)^3$

For the interval (12,.6):  $.6 - .14133530896574226(x-12) - .06404818055229802(x-12)^2 + .03638208508459536(x-12)^3$

For the interval (12.6,.5):  $.5 - .17890047373713686(x-12.6) + .0014395725999735848(x-12.6)^2 - .4479709706428262(x-12.6)^3$

For the interval (13,.4):  $.4 - .392774881565715(x-13) - .5361255921714183(x-13)^2 + .5956951024126856(x-13)^3$

Newton's Interpolation: Orange

Function:  $1.3 + 0.4999999999999999(x-.9) + 0.083333333333333372(x-.9)(x-1.3) + 0.6249999999999981(x-.9)(x-1.3)(x-1.9) - 0.9063240680887712(x-.9)(x-1.3)(x-1.9)(x-2.1) + 0.5668351256586526(x-.9)(x-1.3)(x-1.9)(x-2.1)(x-2.6) - 0.18391194861782978(x-.9)(x-1.3)(x-1.9)(x-2.1)(x-2.6)(x-3) + 0.03874690604922625(x-.9)(x-1.3)(x-1.9)(x-2.1)(x-2.6)(x-3)(x-3.9) - 0.0025481504155956077(x-.9)(x-1.3)(x-1.9)(x-2.1)(x-2.6)(x-3)(x-3.9)(x-4.4) - 0.0018586750299486596(x-.9)(x-1.3)(x-1.9)(x-2.1)(x-2.6)(x-3)(x-3.9)(x-4.4)(x-4.7) + 0.0005729317636593806(x-.9)(x-1.3)(x-1.9)(x-2.1)(x-2.6)(x-3)(x-3.9)(x-4.4)(x-4.7)(x-5) - (6.34107592999165 \times 10^{-6})(x-.9)(x-1.3)(x-1.9)(x-2.1)(x-2.6)(x-3)(x-3.9)(x-4.4)(x-4.7)(x-5)(x-6) - (4.290233994816249 \times 10^{-5})(x-.9)(x-1.3)(x-1.9)(x-2.1)(x-2.6)(x-3)(x-3.9)(x-4.4)(x-4.7)(x-5)(x-6)(x-7) + (1.5798171679188234 \times 10^{-5})(x-.9)(x-1.3)(x-1.9)(x-2.1)(x-2.6)(x-3)(x-3.9)(x-4.4)(x-4.7)(x-5)(x-6)(x-7)(x-8) - (3.453534469332749 \times 10^{-6})(x-.9)(x-1.3)(x-1.9)(x-2.1)(x-2.6)(x-3)(x-3.9)(x-4.4)(x-4.7)(x-5)(x-6)(x-7)(x-8)(x-9.2) + (6.085950046764253 \times 10^{-7})(x-.9)(x-1.3)(x-1.9)(x-2.1)(x-2.6)(x-3)(x-3.9)(x-4.4)(x-4.7)(x-5)(x-6)(x-7)(x-8)(x-9.2)(x-10.5) - (9.860361084436146 \times 10^{-8})(x-.9)(x-1.3)(x-1.9)(x-2.1)(x-2.6)(x-3)(x-3.9)(x-4.4)(x-4.7)(x-5)(x-6)(x-7)(x-8)(x-9.2)(x-10.5)(x-11.3) + (1.4695484208907752 \times 10^{-8})(x-.9)(x-1.3)(x-1.9)(x-2.1)(x-2.6)(x-3)(x-3.9)(x-4.4)(x-4.7)(x-5)(x-6)(x-7)(x-8)(x-9.2)(x-10.5)(x-11.3)(x-11.6) - (1.9837133192976805 \times 10^{-9})(x-.9)(x-1.3)(x-1.9)(x-2.1)(x-2.6)(x-3)(x-3.9)(x-4.4)(x-4.7)(x-5)(x-6)(x-7)(x-8)(x-9.2)(x-10.5)(x-11.3)(x-11.6)(x-12) + (2.5185394950467503 \times 10^{-10})(x-.9)(x-1.3)(x-1.9)(x-2.1)(x-2.6)(x-3)(x-3.9)(x-4.4)(x-4.7)(x-5)(x-6)(x-7)(x-8)(x-9.2)(x-10.5)(x-11.3)(x-11.6)(x-12)(x-12.6) - (3.0745307801080036 \times 10^{-11})(x-.9)(x-1.3)(x-1.9)(x-2.1)(x-2.6)(x-3)(x-3.9)(x-4.4)(x-4.7)(x-5)(x-6)(x-7)(x-8)(x-9.2)(x-10.5)(x-11.3)(x-11.6)(x-12)(x-12.6)(x-13)$