

# Método de Horner

## Estimativas

k	xk	f(xk)	f'(xk)	ERk
0	1.650000000e+01	5.270810625e+01	1.844088750e+02	
1	1.621277872e+01	1.411197795e+01	9.224565104e+01	1.771573426e-02
2	1.605836945e+01	2.849910160e+00	5.678807718e+01	9.615501376e-03
3	1.600744171e+01	2.535559535e-01	4.696963400e+01	3.181504008e-03
4	1.600194745e+01	2.768807579e-03	4.596256323e+01	3.433491257e-04
5	1.600188612e+01	3.422610462e-07	4.595137735e+01	3.832927082e-06
6	1.600188611e+01	2.328306437e-09	4.595137596e+01	4.737562534e-10

Resultado achado: 16.001886110724858

## Coeficientes bi do Polinômio f(x)

k	b0,k	b1,k	b2,k	b3,k	b4,k	b5,k
0	5.270810625e+01	2.488301261e+04	-7.999393175e+03	9.579640500e+02	-5.067430000e+01	1.000000000e+00
1	1.411197795e+01	2.532145285e+04	-8.114065418e+03	9.678621322e+02	-5.096152128e+01	1.000000000e+00
2	2.849910160e+00	2.556423000e+04	-8.176967807e+03	9.732515026e+02	-5.111593055e+01	1.000000000e+00
3	2.535559543e-01	2.564540050e+04	-8.197912065e+03	9.750394985e+02	-5.116685829e+01	1.000000000e+00
4	2.768807521e-03	2.565419015e+04	-8.200177524e+03	9.752327035e+02	-5.117235255e+01	1.000000000e+00
5	3.421446308e-07	2.565428831e+04	-8.200202821e+03	9.752348607e+02	-5.117241388e+01	1.000000000e+00

## Coeficientes ci do Polinômio f(x)

k	c5,k	c4,k	c3,k	c2,k	c1,k
0	1.000000000e+00	-3.417430000e+01	3.940881000e+02	-1.496939525e+03	1.835104500e+02
1	1.000000000e+00	-3.474874256e+01	4.044884583e+02	-1.556183549e+03	9.139333166e+01
2	1.000000000e+00	-3.505756111e+01	4.102842344e+02	-1.588471993e+03	5.595987889e+01
3	1.000000000e+00	-3.515941659e+01	4.122271871e+02	-1.599209398e+03	4.614929042e+01
4	1.000000000e+00	-3.517040510e+01	4.124377293e+02	-1.600370653e+03	4.514306407e+01
5	1.000000000e+00	-3.517052776e+01	4.124400807e+02	-1.600383619e+03	4.513188760e+01