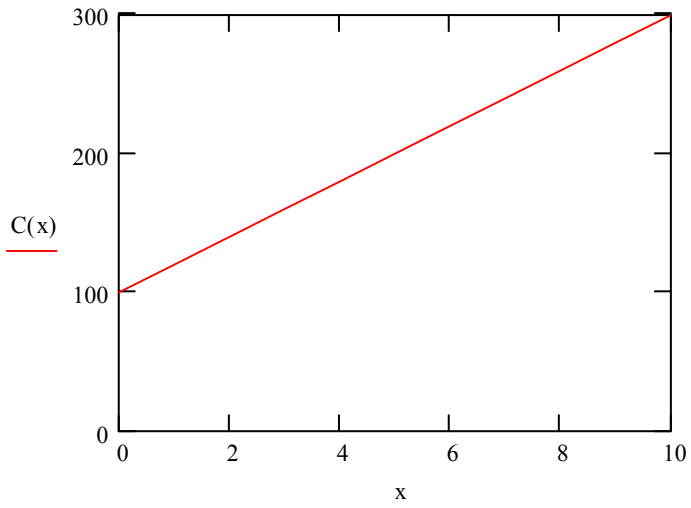
Linear Costs

$x := 0 .. 10$ Quantity of goods produced

$C_v(x) := 20x$ Variable costs

$C_f := 100$ Fixed costs

$C(x) := C_f + C_v(x)$ Total costs



x =	C(x) =
0	100.00
1	120.00
2	140.00
3	160.00
4	180.00
5	200.00
6	220.00
7	240.00
8	260.00
9	280.00
10	300.00

$x := 1 .. 10$

$c_v(x) := \frac{C_v(x)}{x}$ Variable cost per unit

$c_f(x) := \frac{C_f}{x}$ Fixed cost per unit

$c(x) := \frac{C(x)}{x}$ Total cost per unit

x =	$c_v(x)$ =	$c_f(x)$ =	c(x) =
1	20.00	100.00	120.00
2	20.00	50.00	70.00
3	20.00	33.33	53.33
4	20.00	25.00	45.00
5	20.00	20.00	40.00
6	20.00	16.67	36.67
7	20.00	14.29	34.29
8	20.00	12.50	32.50
9	20.00	11.11	31.11
10	20.00	10.00	30.00