

CALCULADORA DE MOVIMIENTO DE PROYECTIL

PARÁMETROS DE ENTRADA:

Velocidad inicial: 200.00 m/s

Ángulo de lanzamiento: 30.00°

RESULTADOS PRINCIPALES:

Tiempo total de vuelo: 20.39 s

Tiempo de subida: 10.19 s

Altura máxima: 509.68 m

Distancia máxima: 3531.19 m

EVOLUCIÓN DEL PROYECTIL:

Tiempo(s) | Altura(m) | Pos.Horiz(m) | Vel.Horiz(m/s) | Vel.Vert(m/s)

0.0	0.00	0.00	173.21	100.00
0.1	9.95	17.32	173.21	99.02
0.2	19.80	34.64	173.21	98.04
0.3	29.56	51.96	173.21	97.06
0.4	39.22	69.28	173.21	96.08
0.5	48.77	86.60	173.21	95.09
0.6	58.23	103.92	173.21	94.11
0.7	67.60	121.24	173.21	93.13
0.8	76.86	138.56	173.21	92.15
0.9	86.03	155.88	173.21	91.17
1.0	95.09	173.21	173.21	90.19
1.1	104.06	190.53	173.21	89.21
1.2	112.94	207.85	173.21	88.23
1.3	121.71	225.17	173.21	87.25
1.4	130.39	242.49	173.21	86.27
1.5	138.96	259.81	173.21	85.28
1.6	147.44	277.13	173.21	84.30
1.7	155.82	294.45	173.21	83.32
1.8	164.11	311.77	173.21	82.34
1.9	172.29	329.09	173.21	81.36
2.0	180.38	346.41	173.21	80.38
2.1	188.37	363.73	173.21	79.40
2.2	196.26	381.05	173.21	78.42
2.3	204.05	398.37	173.21	77.44
2.4	211.75	415.69	173.21	76.46
2.5	219.34	433.01	173.21	75.47
2.6	226.84	450.33	173.21	74.49

2.7	234.24	467.65	173.21	73.51
2.8	241.54	484.97	173.21	72.53
2.9	248.75	502.29	173.21	71.55
3.0	255.86	519.62	173.21	70.57
3.1	262.86	536.94	173.21	69.59
3.2	269.77	554.26	173.21	68.61
3.3	276.58	571.58	173.21	67.63
3.4	283.30	588.90	173.21	66.65
3.5	289.91	606.22	173.21	65.66
3.6	296.43	623.54	173.21	64.68
3.7	302.85	640.86	173.21	63.70
3.8	309.17	658.18	173.21	62.72
3.9	315.39	675.50	173.21	61.74
4.0	321.52	692.82	173.21	60.76
4.1	327.55	710.14	173.21	59.78
4.2	333.48	727.46	173.21	58.80
4.3	339.31	744.78	173.21	57.82
4.4	345.04	762.10	173.21	56.84
4.5	350.67	779.42	173.21	55.85
4.6	356.21	796.74	173.21	54.87
4.7	361.65	814.06	173.21	53.89
4.8	366.99	831.38	173.21	52.91
4.9	372.23	848.70	173.21	51.93
5.0	377.37	866.03	173.21	50.95
5.1	382.42	883.35	173.21	49.97
5.2	387.37	900.67	173.21	48.99
5.3	392.22	917.99	173.21	48.01
5.4	396.97	935.31	173.21	47.03
5.5	401.62	952.63	173.21	46.05
5.6	406.18	969.95	173.21	45.06
5.7	410.64	987.27	173.21	44.08
5.8	415.00	1004.59	173.21	43.10
5.9	419.26	1021.91	173.21	42.12
6.0	423.42	1039.23	173.21	41.14
6.1	427.48	1056.55	173.21	40.16
6.2	431.45	1073.87	173.21	39.18
6.3	435.32	1091.19	173.21	38.20
6.4	439.09	1108.51	173.21	37.22
6.5	442.76	1125.83	173.21	36.24
6.6	446.34	1143.15	173.21	35.25
6.7	449.81	1160.47	173.21	34.27
6.8	453.19	1177.79	173.21	33.29

6.9	456.47	1195.12	173.21	32.31
7.0	459.65	1212.44	173.21	31.33
7.1	462.74	1229.76	173.21	30.35
7.2	465.72	1247.08	173.21	29.37
7.3	468.61	1264.40	173.21	28.39
7.4	471.40	1281.72	173.21	27.41
7.5	474.09	1299.04	173.21	26.43
7.6	476.69	1316.36	173.21	25.44
7.7	479.18	1333.68	173.21	24.46
7.8	481.58	1351.00	173.21	23.48
7.9	483.88	1368.32	173.21	22.50
8.0	486.08	1385.64	173.21	21.52
8.1	488.18	1402.96	173.21	20.54
8.2	490.19	1420.28	173.21	19.56
8.3	492.09	1437.60	173.21	18.58
8.4	493.90	1454.92	173.21	17.60
8.5	495.61	1472.24	173.21	16.62
8.6	497.23	1489.56	173.21	15.63
8.7	498.74	1506.88	173.21	14.65
8.8	500.16	1524.20	173.21	13.67
8.9	501.47	1541.53	173.21	12.69
9.0	502.69	1558.85	173.21	11.71
9.1	503.82	1576.17	173.21	10.73
9.2	504.84	1593.49	173.21	9.75
9.3	505.77	1610.81	173.21	8.77
9.4	506.59	1628.13	173.21	7.79
9.5	507.32	1645.45	173.21	6.81
9.6	507.96	1662.77	173.21	5.82
9.7	508.49	1680.09	173.21	4.84
9.8	508.92	1697.41	173.21	3.86
9.9	509.26	1714.73	173.21	2.88
10.0	509.50	1732.05	173.21	1.90
10.1	509.64	1749.37	173.21	0.92
10.2	509.68	1766.69	173.21	-0.06
10.3	509.63	1784.01	173.21	-1.04
10.4	509.48	1801.33	173.21	-2.02
10.5	509.22	1818.65	173.21	-3.00
10.6	508.87	1835.97	173.21	-3.99
10.7	508.43	1853.29	173.21	-4.97
10.8	507.88	1870.61	173.21	-5.95
10.9	507.24	1887.94	173.21	-6.93
11.0	506.49	1905.26	173.21	-7.91

11.1	505.65	1922.58	173.21	-8.89
11.2	504.72	1939.90	173.21	-9.87
11.3	503.68	1957.22	173.21	-10.85
11.4	502.55	1974.54	173.21	-11.83
11.5	501.31	1991.86	173.21	-12.81
11.6	499.98	2009.18	173.21	-13.80
11.7	498.55	2026.50	173.21	-14.78
11.8	497.03	2043.82	173.21	-15.76
11.9	495.40	2061.14	173.21	-16.74
12.0	493.68	2078.46	173.21	-17.72
12.1	491.86	2095.78	173.21	-18.70
12.2	489.94	2113.10	173.21	-19.68
12.3	487.92	2130.42	173.21	-20.66
12.4	485.81	2147.74	173.21	-21.64
12.5	483.59	2165.06	173.21	-22.62
12.6	481.28	2182.38	173.21	-23.61
12.7	478.87	2199.70	173.21	-24.59
12.8	476.36	2217.03	173.21	-25.57
12.9	473.76	2234.35	173.21	-26.55
13.0	471.06	2251.67	173.21	-27.53
13.1	468.25	2268.99	173.21	-28.51
13.2	465.35	2286.31	173.21	-29.49
13.3	462.35	2303.63	173.21	-30.47
13.4	459.26	2320.95	173.21	-31.45
13.5	456.06	2338.27	173.21	-32.43
13.6	452.77	2355.59	173.21	-33.42
13.7	449.38	2372.91	173.21	-34.40
13.8	445.89	2390.23	173.21	-35.38
13.9	442.30	2407.55	173.21	-36.36
14.0	438.62	2424.87	173.21	-37.34
14.1	434.84	2442.19	173.21	-38.32
14.2	430.96	2459.51	173.21	-39.30
14.3	426.98	2476.83	173.21	-40.28
14.4	422.90	2494.15	173.21	-41.26
14.5	418.72	2511.47	173.21	-42.24
14.6	414.45	2528.79	173.21	-43.23
14.7	410.08	2546.11	173.21	-44.21
14.8	405.61	2563.44	173.21	-45.19
14.9	401.04	2580.76	173.21	-46.17
15.0	396.38	2598.08	173.21	-47.15
15.1	391.61	2615.40	173.21	-48.13
15.2	386.75	2632.72	173.21	-49.11

15.3	381.79	2650.04	173.21	-50.09
15.4	376.73	2667.36	173.21	-51.07
15.5	371.57	2684.68	173.21	-52.05
15.6	366.32	2702.00	173.21	-53.04
15.7	360.97	2719.32	173.21	-54.02
15.8	355.52	2736.64	173.21	-55.00
15.9	349.97	2753.96	173.21	-55.98
16.0	344.32	2771.28	173.21	-56.96
16.1	338.57	2788.60	173.21	-57.94
16.2	332.73	2805.92	173.21	-58.92
16.3	326.79	2823.24	173.21	-59.90
16.4	320.75	2840.56	173.21	-60.88
16.5	314.61	2857.88	173.21	-61.86
16.6	308.38	2875.20	173.21	-62.85
16.7	302.04	2892.52	173.21	-63.83
16.8	295.61	2909.85	173.21	-64.81
16.9	289.08	2927.17	173.21	-65.79
17.0	282.46	2944.49	173.21	-66.77
17.1	275.73	2961.81	173.21	-67.75
17.2	268.90	2979.13	173.21	-68.73
17.3	261.98	2996.45	173.21	-69.71
17.4	254.96	3013.77	173.21	-70.69
17.5	247.84	3031.09	173.21	-71.67
17.6	240.63	3048.41	173.21	-72.66
17.7	233.31	3065.73	173.21	-73.64
17.8	225.90	3083.05	173.21	-74.62
17.9	218.39	3100.37	173.21	-75.60
18.0	210.78	3117.69	173.21	-76.58
18.1	203.07	3135.01	173.21	-77.56
18.2	195.27	3152.33	173.21	-78.54
18.3	187.36	3169.65	173.21	-79.52
18.4	179.36	3186.97	173.21	-80.50
18.5	171.26	3204.29	173.21	-81.48
18.6	163.07	3221.61	173.21	-82.47
18.7	154.77	3238.94	173.21	-83.45
18.8	146.38	3256.26	173.21	-84.43
18.9	137.88	3273.58	173.21	-85.41
19.0	129.29	3290.90	173.21	-86.39
19.1	120.61	3308.22	173.21	-87.37
19.2	111.82	3325.54	173.21	-88.35
19.3	102.94	3342.86	173.21	-89.33
19.4	93.95	3360.18	173.21	-90.31

19.5	84.87	3377.50	173.21	-91.30
19.6	75.70	3394.82	173.21	-92.28
19.7	66.42	3412.14	173.21	-93.26
19.8	57.04	3429.46	173.21	-94.24
19.9	47.57	3446.78	173.21	-95.22
20.0	38.00	3464.10	173.21	-96.20
20.1	28.33	3481.42	173.21	-97.18
20.2	18.56	3498.74	173.21	-98.16
20.3	8.70	3516.06	173.21	-99.14
20.4	0.00	3533.38	173.21	-100.12

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