

Tool Name	Execution Time (s)	Total Energy (J)	CPU Energy (J)	Memory Energy (J)	Energy/Time (J/s)
CMake	0 (0.0)	1 (0.5)	4 (0.5)	0 (0.0)	2 (1.8)
qmake	0 (0.0)	3 (1.0)	2 (0.3)	0 (0.0)	3 (2.0)
Qbs	0 (0.0)	3 (1.0)	4 (0.5)	0 (0.0)	5 (2.5)
NetBeans IDE	0 (0.0)	1 (0.5)	4 (0.5)	0 (0.0)	3 (2.0)
Code::Blocks	0 (0.0)	3 (1.0)	6 (1.0)	0 (0.0)	6 (3.0)
CLion	0 (0.0)	1 (0.5)	4 (0.5)	0 (0.0)	2 (1.8)
CodeLite	0 (0.0)	1 (0.5)	4 (0.5)	0 (0.0)	3 (2.0)
Eclipse CDT	0 (0.0)	1 (0.5)	4 (0.5)	0 (0.0)	1 (1.5)
KDevelop	0 (0.0)	1 (0.5)	4 (0.5)	0 (0.0)	2 (1.8)
Geany	0 (0.0)	3 (1.0)	6 (1.0)	0 (0.0)	6 (3.0)
Anjuta DevStudio	0 (0.0)	2 (0.8)	5 (0.8)	0 (0.0)	4 (2.2)
Qt Creator	0 (0.0)	2 (0.8)	3 (0.4)	0 (0.0)	3 (2.0)
DialogBlocks	0 (0.0)	1 (0.5)	4 (0.5)	0 (0.0)	1 (1.5)
Zinjal	0 (0.0)	1 (0.5)	4 (0.5)	0 (0.0)	1 (1.5)
GPS	0 (0.0)	1 (0.5)	1 (0.2)	0 (0.0)	2 (1.8)
Oracle Developer Studio	0 (0.0)	1 (0.5)	4 (0.5)	0 (0.0)	3 (2.0)
Sphere Engine	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	3 (2.0)
AWS Cloud9	0 (0.0)	3 (1.0)	6 (1.0)	0 (0.0)	5 (2.5)

Table 1: meteor tools ranked with 0 decimal points

Tool Name	Execution Time (s)	Total Energy (J)	CPU Energy (J)	Memory Energy (J)	Energy/Time (J/s)
CMake	2 (0.8)	3 (2.5)	2 (1.8)	1 (0.2)	2 (4.2)
qmake	4 (1.0)	4 (2.7)	5 (2.3)	2 (0.3)	9 (7.0)
Qbs	4 (1.0)	5 (3.0)	6 (2.5)	3 (0.5)	11 (8.5)
NetBeans IDE	4 (1.0)	5 (3.0)	3 (2.0)	3 (0.5)	6 (6.0)
Code::Blocks	4 (1.0)	7 (4.0)	7 (3.0)	5 (1.0)	13 (11.0)
CLion	2 (0.8)	3 (2.5)	2 (1.8)	1 (0.2)	2 (4.2)
CodeLite	4 (1.0)	5 (3.0)	3 (2.0)	3 (0.5)	8 (6.5)
Eclipse CDT	1 (0.5)	3 (2.5)	3 (2.0)	3 (0.5)	5 (5.5)
KDevelop	2 (0.8)	3 (2.5)	2 (1.8)	1 (0.2)	2 (4.2)
Geany	4 (1.0)	7 (4.0)	7 (3.0)	5 (1.0)	12 (10.0)
Anjuta DevStudio	4 (1.0)	6 (3.5)	6 (2.5)	4 (0.8)	10 (8.2)
Qt Creator	3 (0.9)	4 (2.7)	4 (2.1)	2 (0.3)	7 (6.1)
DialogBlocks	4 (1.0)	5 (3.0)	3 (2.0)	3 (0.5)	3 (5.0)
Zinjal	4 (1.0)	5 (3.0)	3 (2.0)	3 (0.5)	6 (6.0)
GPS	2 (0.8)	2 (2.2)	2 (1.8)	1 (0.2)	4 (5.2)
Oracle Developer Studio	4 (1.0)	5 (3.0)	3 (2.0)	3 (0.5)	6 (6.0)
Sphere Engine	4 (1.0)	1 (2.0)	1 (1.0)	0 (0.0)	1 (4.0)
AWS Cloud9	4 (1.0)	7 (4.0)	7 (3.0)	5 (1.0)	12 (10.0)

Table 2: meteor tools ranked with 1 decimal points

Tool Name	Execution Time (s)	Total Energy (J)	CPU Energy (J)	Memory Energy (J)	Energy/Time (J/s)
CMake	4 (1.8)	4 (5.0)	3 (5.0)	2 (1.8)	2 (7.8)
qmake	3 (1.7)	8 (7.3)	9 (7.3)	5 (2.3)	9 (11.7)
Qbs	5 (2.0)	10 (8.0)	11 (8.0)	6 (2.5)	11 (16.0)
NetBeans IDE	5 (2.0)	6 (6.0)	8 (6.5)	3 (2.0)	8 (11.5)
Code::Blocks	7 (3.0)	12 (10.0)	13 (10.0)	7 (3.0)	14 (22.0)
CLion	4 (1.8)	4 (5.0)	3 (5.0)	2 (1.8)	2 (7.8)
CodeLite	5 (2.0)	6 (6.0)	6 (6.0)	3 (2.0)	6 (10.5)
Eclipse CDT	5 (2.0)	2 (4.5)	2 (4.5)	3 (2.0)	4 (9.5)
KDevelop	4 (1.8)	4 (5.0)	3 (5.0)	2 (1.8)	2 (7.8)
Geany	7 (3.0)	11 (9.0)	12 (9.0)	7 (3.0)	13 (20.0)
Anjuta DevStudio	6 (2.5)	9 (7.5)	10 (7.8)	6 (2.5)	10 (15.2)
Qt Creator	4 (1.8)	7 (6.4)	7 (6.4)	4 (2.1)	7 (10.9)
DialogBlocks	5 (2.0)	4 (5.0)	5 (5.5)	3 (2.0)	3 (8.5)
Zinjal	5 (2.0)	5 (5.5)	6 (6.0)	3 (2.0)	8 (11.5)
GPS	2 (1.5)	3 (4.8)	4 (5.2)	2 (1.8)	5 (9.8)
Oracle Developer Studio	5 (2.0)	6 (6.0)	8 (6.5)	3 (2.0)	8 (11.5)
Sphere Engine	1 (1.0)	1 (4.0)	1 (4.0)	1 (1.0)	1 (7.0)
AWS Cloud9	7 (3.0)	11 (9.0)	12 (9.0)	7 (3.0)	12 (18.5)

Table 3: meteor tools ranked with 2 decimal points

Tool Name	Execution Time (s)	Total Energy (J)	CPU Energy (J)	Memory Energy (J)	Energy/Time (J/s)
CMake	3 (3.0)	2 (9.2)	2 (9.2)	3 (3.5)	2 (8.5)
qmake	7 (4.3)	9 (14.3)	8 (14.3)	6 (4.7)	9 (12.7)
Qbs	8 (4.5)	11 (16.5)	10 (17.0)	8 (5.5)	11 (17.0)
NetBeans IDE	4 (3.5)	7 (12.0)	6 (12.0)	4 (4.0)	8 (12.5)
Code::Blocks	9 (5.0)	14 (21.0)	13 (22.0)	9 (6.0)	14 (23.0)
CLion	3 (3.0)	2 (9.2)	2 (9.2)	3 (3.5)	2 (8.5)
CodeLite	4 (3.5)	6 (11.0)	5 (11.0)	4 (4.0)	6 (11.5)
Eclipse CDT	3 (3.0)	3 (9.5)	3 (9.5)	3 (3.5)	4 (10.5)
KDevelop	3 (3.0)	2 (9.2)	2 (9.2)	3 (3.5)	2 (8.5)
Geany	9 (5.0)	13 (20.0)	12 (20.0)	9 (6.0)	13 (21.0)
Anjuta DevStudio	6 (4.2)	10 (15.2)	9 (15.5)	7 (5.0)	10 (16.2)
Qt Creator	5 (3.8)	8 (12.6)	7 (12.7)	5 (4.3)	7 (11.8)
DialogBlocks	4 (3.5)	5 (10.0)	4 (10.0)	4 (4.0)	3 (9.5)
Zinjal	4 (3.5)	7 (12.0)	6 (12.0)	4 (4.0)	8 (12.5)
GPS	2 (2.8)	4 (9.8)	4 (10.0)	2 (3.0)	5 (10.8)
Oracle Developer Studio	4 (3.5)	7 (12.0)	6 (12.0)	4 (4.0)	8 (12.5)
Sphere Engine	1 (2.0)	1 (8.0)	1 (8.0)	1 (2.0)	1 (8.0)
AWS Cloud9	9 (5.0)	12 (18.0)	11 (18.5)	9 (6.0)	12 (19.5)

Table 4: meteor tools ranked with 3 decimal points