

Table 1: Summary of Model Parameters

ID	Parameter Name	Model Name	Value	Units	Category
1	Parameter A	Model X (Linear)	1.23	kg	Physical
2	Parameter B	Model Y (Quadratic)	4.56	m/s	Physical
3	Parameter C	Model Z (Cubic)	7.89	s	Physical
4	Parameter D	Model A (Exponential)	2.10	kg	Physical
5	Parameter E	Model B (Logarithmic)	3.45	m/s	Physical
6	Parameter F	Model C (Power Law)	5.67	s	Physical
7	Parameter G	Model D (Trigonometric)	8.90	kg	Physical
8	Parameter H	Model E (Polynomial)	1.12	m/s	Physical
9	Parameter I	Model F (Rational)	3.34	s	Physical
10	Parameter J	Model G (Hyperbolic)	6.66	kg	Physical
11	Parameter K	Model H (Elliptic)	9.99	m/s	Physical
12	Parameter L	Model I (Parabolic)	1.23	s	Physical
13	Parameter M	Model J (Hyperbolic)	4.56	kg	Physical
14	Parameter N	Model K (Elliptic)	7.89	m/s	Physical
15	Parameter O	Model L (Parabolic)	1.12	s	Physical
16	Parameter P	Model M (Hyperbolic)	3.34	kg	Physical
17	Parameter Q	Model N (Elliptic)	6.66	m/s	Physical
18	Parameter R	Model O (Parabolic)	9.99	s	Physical
19	Parameter S	Model P (Hyperbolic)	1.23	kg	Physical
20	Parameter T	Model Q (Elliptic)	4.56	m/s	Physical
21	Parameter U	Model R (Parabolic)	7.89	s	Physical
22	Parameter V	Model S (Hyperbolic)	1.12	kg	Physical
23	Parameter W	Model T (Elliptic)	3.34	m/s	Physical
24	Parameter X	Model U (Parabolic)	6.66	s	Physical
25	Parameter Y	Model V (Hyperbolic)	9.99	kg	Physical
26	Parameter Z	Model W (Elliptic)	1.23	m/s	Physical
27	Parameter AA	Model X (Parabolic)	4.56	s	Physical
28	Parameter AB	Model Y (Hyperbolic)	7.89	kg	Physical
29	Parameter AC	Model Z (Elliptic)	1.12	m/s	Physical
30	Parameter AD	Model A (Parabolic)	3.34	s	Physical
31	Parameter AE	Model B (Hyperbolic)	6.66	kg	Physical
32	Parameter AF	Model C (Elliptic)	9.99	m/s	Physical
33	Parameter AG	Model D (Parabolic)	1.23	s	Physical
34	Parameter AH	Model E (Hyperbolic)	4.56	kg	Physical
35	Parameter AI	Model F (Elliptic)	7.89	m/s	Physical
36	Parameter AJ	Model G (Parabolic)	1.12	s	Physical
37	Parameter AK	Model H (Hyperbolic)	3.34	kg	Physical
38	Parameter AL	Model I (Elliptic)	6.66	m/s	Physical
39	Parameter AM	Model J (Parabolic)	9.99	s	Physical
40	Parameter AN	Model K (Hyperbolic)	1.23	kg	Physical
41	Parameter AO	Model L (Elliptic)	4.56	m/s	Physical
42	Parameter AP	Model M (Parabolic)	7.89	s	Physical
43	Parameter AQ	Model N (Hyperbolic)	1.12	kg	Physical
44	Parameter AR	Model O (Elliptic)	3.34	m/s	Physical
45	Parameter AS	Model P (Parabolic)	6.66	s	Physical
46	Parameter AT	Model Q (Hyperbolic)	9.99	kg	Physical
47	Parameter AU	Model R (Elliptic)	1.23	m/s	Physical
48	Parameter AV	Model S (Parabolic)	4.56	s	Physical
49	Parameter AW	Model T (Hyperbolic)	7.89	kg	Physical
50	Parameter AX	Model U (Elliptic)	1.12	m/s	Physical
51	Parameter AY	Model V (Parabolic)	3.34	s	Physical
52	Parameter AZ	Model W (Hyperbolic)	6.66	kg	Physical
53	Parameter BA	Model X (Elliptic)	9.99	m/s	Physical
54	Parameter BB	Model Y (Parabolic)	1.23	s	Physical
55	Parameter BC	Model Z (Hyperbolic)	4.56	kg	Physical
56	Parameter BD	Model A (Elliptic)	7.89	m/s	Physical
57	Parameter BE	Model B (Parabolic)	1.12	s	Physical
58	Parameter BF	Model C (Hyperbolic)	3.34	kg	Physical
59	Parameter BG	Model D (Elliptic)	6.66	m/s	Physical
60	Parameter BH	Model E (Parabolic)	9.99	s	Physical
61	Parameter BI	Model F (Hyperbolic)	1.23	kg	Physical
62	Parameter BJ	Model G (Elliptic)	4.56	m/s	Physical
63	Parameter BK	Model H (Parabolic)	7.89	s	Physical
64	Parameter BL	Model I (Hyperbolic)	1.12	kg	Physical
65	Parameter BM	Model J (Elliptic)	3.34	m/s	Physical
66	Parameter BN	Model K (Parabolic)	6.66	s	Physical
67	Parameter BO	Model L (Hyperbolic)	9.99	kg	Physical
68	Parameter BP	Model M (Elliptic)	1.23	m/s	Physical
69	Parameter BQ	Model N (Parabolic)	4.56	s	Physical
70	Parameter BR	Model O (Hyperbolic)	7.89	kg	Physical
71	Parameter BS	Model P (Elliptic)	1.12	m/s	Physical
72	Parameter BT	Model Q (Parabolic)	3.34	s	Physical
73	Parameter BU	Model R (Hyperbolic)	6.66	kg	Physical
74	Parameter BV	Model S (Elliptic)	9.99	m/s	Physical
75	Parameter BV	Model T (Parabolic)	1.23	s	Physical
76	Parameter BV	Model U (Hyperbolic)	4.56	kg	Physical
77	Parameter BV	Model V (Elliptic)	7.89	m/s	Physical
78	Parameter BV	Model W (Parabolic)	1.12	s	Physical
79	Parameter BV	Model X (Hyperbolic)	3.34	kg	Physical
80	Parameter BV	Model Y (Elliptic)	6.66	m/s	Physical
81	Parameter BV	Model Z (Parabolic)	9.99	s	Physical
82	Parameter BV	Model A (Hyperbolic)	1.23	kg	Physical
83	Parameter BV	Model B (Elliptic)	4.56	m/s	Physical
84	Parameter BV	Model C (Parabolic)	7.89	s	Physical
85	Parameter BV	Model D (Hyperbolic)	1.12	kg	Physical
86	Parameter BV	Model E (Elliptic)	3.34	m/s	Physical
87	Parameter BV	Model F (Parabolic)	6.66	s	Physical
88	Parameter BV	Model G (Hyperbolic)	9.99	kg	Physical
89	Parameter BV	Model H (Elliptic)	1.23	m/s	Physical
90	Parameter BV	Model I (Parabolic)	4.56	s	Physical
91	Parameter BV	Model J (Hyperbolic)	7.89	kg	Physical
92	Parameter BV	Model K (Elliptic)	1.12	m/s	Physical
93	Parameter BV	Model L (Parabolic)	3.34	s	Physical
94	Parameter BV	Model M (Hyperbolic)	6.66	kg	Physical
95	Parameter BV	Model N (Elliptic)	9.99	m/s	Physical
96	Parameter BV	Model O (Parabolic)	1.23	s	Physical
97	Parameter BV	Model P (Hyperbolic)	4.56	kg	Physical
98	Parameter BV	Model Q (Elliptic)	7.89	m/s	Physical
99	Parameter BV	Model R (Parabolic)	1.12	s	Physical
100	Parameter BV	Model S (Hyperbolic)	3.34	kg	Physical