

Mathematics and Physics Formulary

MATHEMATICS	1
1 Basics	1
2 Algebra	2
3 Plane geometry	5
4 Trigonometry	7
5 Solid geometry	9
6 Coordinate geometry in two dimensions	11
7 Vector geometry	13
8 Differential- and integral calculus	15
9 Statistics	18
10 Combinatorics	18
11 Probability	19
12 Appendix	22
PHYSICS	25
1 Mechanics	25
2 Heat theory	27
3 Electrophysics	28
4 Optics	30
5 Quantum physics	30
6 Nuclear physics	30
7 Theory of special relativity	31
8 Material constants	31
9 Our Solar System	35
10 Physical constants	36
11 Periodic table of the elements	37