Table of Contents

Preface	ix
1 Perfect objects and approximations	1
2 Converging sequences and limits	15
3 Exercises with sequences and series	29
4 Continuous functions	43
5 Derivative function of a function	59
6 Basic rules of differentiation	81
7 Elementary functions	99
8 Properties of derivatives	113
9 Polynomials and rational functions	129
10 Euclidean space, vectors, dot product	145
11 Applications of the dot product	157
12 Oblique parabolas	171
13 Classification of geometries	189
14 Affine geometry	205
15 Barycenter and barycentric frame	217
16 Projective geometry	233
17 Remarkable theorems of geometry	243
18 Probability, generalities	257
19 Law of large numbers, Chebyshev inequality	277
20 Introduction to statistics	301
Index	311
Catalog	315