

Table of contents volume II

31. Sugli sviluppi asintotici di funzioni di ripartizione in serie di polinomi di Hermite	729
32. Mortality variations in Sweden: A study in graduation and forecasting (with H. Wold)	746
33. Prime numbers and probability	827
34. Über die Vorausberechnung der Bevölkerungsentwicklung in Schweden ..	836
35. Über eine Eigenschaft der normalen Verteilungsfunktion	856
36. Some theorems on distribution functions (with H. Wold)	866
37. On the order of magnitude of the difference between consecutive prime numbers	871
38. Sur un nouveau théorème-limite de la théorie des probabilités	895
39. On the representation of a function by certain Fourier integrals	914
40. On the theory of stationary random processes	925
41. On harmonic analysis in certain functional spaces	941
42. A contribution to the theory of statistical estimation	948
43. Problems in probability theory	958
44. On the factorization of certain probability distributions	987
45. A contribution to the theory of stochastic processes	992
46. On some questions connected with mathematical risk	1003
47. Collective risk theory: A survey of the theory from the point of view of the theory of stochastic processes	1028
48. Ein Satz über geordnete Mengen von Wahrscheinlichkeitsverteilungen ..	1116
49. On the linear prediction problem for certain stochastic processes	1122
50. On some classes of nonstationary stochastic processes	1131
51. On the structure of purely non-deterministic stochastic processes	1153
52. Model building with the aid of stochastic processes	1171
53. On the maximum of a normal stationary stochastic process	1201
54. Décompositions orthogonales de certains processus stochastiques	1206
55. On the approximation to a stable probability distribution	1213
56. On asymptotic expansions for sums of independent random variables with a limiting stable distribution	1220
57. Stochastic processes as curves in Hilbert space	1232
58. The moments of the number of crossings of a level by a stationary normal process (with M. R. Leadbetter)	1243
59. A limit theorem for the maximum values of certain stochastic processes ..	1251
60. On the intersections between the trajectories of a normal stationary stochastic process and a high level	1254

61. On stochastic processes whose trajectories have no discontinuities of the second kind	1267
62. On extreme values of certain stochastic processes	1275
63. A contribution to the multiplicity theory of stochastic processes	1281
64. Historical review of Filip Lundberg's works on risk theory	1288
65. On streams of random events	1295
66. Structural and statistical problems for a class of stochastic processes ...	1306
67. On distribution function-moment relationships in a stationary point process (with M. R. Leadbetter and R. J. Serfling) ..	1333
68. On the history of certain expansions used in mathematical statistics	1341
69. On the multiplicity of a stochastic vector process	1344
70. Half a century with probability theory. Some personal recollections	1352
71. On the multiplicity of a stochastic vector process	1390
72. On some points of the theory of stochastic processes	1396
73. Mathematical probability and statistical inference	1421
Bibliography	1431
Acknowledgements	1437

Table of contents volume I

Harald Cramér 1893–1985	XI
1. Sur une classe de séries de Dirichlet	1
2. Etudes sur la sommation des séries de Fourier	50
3. Un théorème sur les séries de Dirichlet et son application	71
4. Über die Herleitung der Riemannschen Primzahlformel	85
5. Über die Nullstellen der Zetafunktion	92
6. Studien über die Nullstellen der Riemannschen Zetafunktion	97
7. Nombres premiers et équations indéterminées	124
8. Bemerkung zu der vorstehenden Arbeit des Herrn E. Landau	135
9. Some theorems concerning prime numbers	138
10. On the distribution of primes	171
11. Über die Zetafunktion auf der Mittellinie des kritischen Streifens (with E. Landau)	180
12. Über das Teilerproblem von Piltz	184
13. Sur un problème de M. Phragmén	224
14. Ein Mittelwertsatz in der Primzahltheorie	229
15. Über zwei Sätze des Herrn G. H. Hardy	236
16. Contributions to the analytic theory of numbers	246
17. Ein Satz über Dirichletsche Reihen	253
18. Das Gesetz von Gauss und die Theorie des Risikos	260
19. Die neuere Entwicklung der analytischen Zahlentheorie (with H. Bohr) ..	289
20. Remarks on correlation	417
21. On some classes of series used in mathematical statistics	438
22. Sur quelques points du calcul des probabilités	465
23. Some notes on recent mortality investigations	468
24. On an asymptotic expansion occurring in the theory of probability	495
25. On the composition of elementary errors	499
26. On the mathematical theory of risk	601
27. The risk problem. Exordial review	679
28. The theory of risk in its application to life insurance problems	685
29. Su un teorema relativo alla legge uniforme dei grandi numeri	696
30. On the development of the mortality of the adult Swedish population since 1800 (with H. Wold)	709