Bibliography

Scientific publications by
Steve (Stephen) O. Rice (1907–1986)

Georg Lindgren
Mathematical Statistics, Lund University, Lund

This list of scientific publications by Steve O. Rice was compiled by Georg Lindgren as preparation for an invited talk at the 62nd ISI World Statistics Congress, Kuala Lumpur, 2019. The planned title of the talk is

Steve O. Rice (1907 - 1986)
inspired by random noise, inspiring statistics research

Crude classification

I have found 66 publications, including the Dover reprint [3] of the two 1944-45 papers on Random noise. David Slepian mentions 62 publications in his “Memorial tribute”. I have sorted the publication into four groups according to main focus with the major work on Random noise in a separate group. In a second group I have placed work where I regard the mathematical or statistical aspects dominate, while physics and communications systems problems are in a third group. Work on signal processing form the fourth group. Obviously, the separation is not clear cut, and I may very well have misinterpreted the focus in some papers.

On random noise

[1, 2, 3, 4]

Computation, mathematics, and statistics

[5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36]

Physics and communications systems

[37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51]
Signal processing
[52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66]

Random noise – ideas and applications

Computation, mathematics, and statistics


**Physics and communication systems**


**Signal processing**


