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Branching processes and assessing the potential severity of an outbreak of an infectious disease, An Interdisciplinary Seminar on Biology, Math Computation and Science, USF, October 1, 2004 5 Branching processes: some limit theorems and statistical inference, Colloquium Talk at USF Math Dept, March 5, 2004 6 Statistical Analysis of Coral Reef ...

The Medical Journal of Australia Pre-print 3 July 2020

cases and the theory of branching processes, we find that with restrictions lifted immediately, when we are down to a single symptomatic case and with R_0 then back to 25, there is a probability of 78% that a single case will not generate any ongoing chain of cases If we then also take into account the asymptomatic cases, we can calculate algebraically, that the chance that ...

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one is M Kimmel and D E Axelrod's Branching Processes in Biology, published by Springer-Verlag (2002), which in comparison is somewhat more narrow in its choice of examples and applications References Galton, F and Watson, H W (1875) On the probability of extinction of families Journal of the Anthropological Society of London 4, 138-144 Kingman, J F C ...

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