

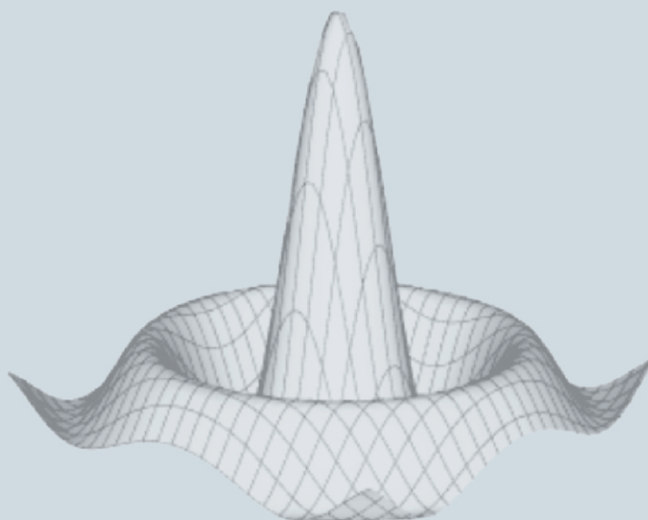
SOUTH EAST ASIAN JOURNAL OF MATHEMATICS AND MATHEMATICAL SCIENCES

Vol. 12, No. 2, October, 2016

ISSN : 0972-7752

SPECIAL ISSUE

Dedicated to **Prof. A.M. Mathai**
(80th Birth Anniversary)



$$\frac{\sum_{n=0}^{\infty} q^{5n^2+4n} \frac{1+q^{5n+2}}{1-q^{5n+2}} - \sum_{n=0}^{\infty} q^{5n^2+6n+1} \frac{1+q^{5n+3}}{1-q^{5n+3}}}{\sum_{n=0}^{\infty} q^{5n^2+2n} \frac{1+q^{5n+1}}{1-q^{5n+1}} - \sum_{n=0}^{\infty} q^{5n^2+8n+3} \frac{1+q^{5n+4}}{1-q^{5n+4}}} = \left(\frac{1}{1+} \frac{q}{1+} \frac{q^2}{1+} \frac{q^3}{1+} \frac{q^4}{1+} \dots \right)^3.$$

Published by : **Ramanujan Society of Mathematics and Mathematical Sciences**
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SOUTH EAST ASIAN JOURNAL OF MATHEMATICS AND MATHEMATICAL SCIENCES

ISSN : 0972-7752

Vol. 12, No. 2, October, 2016

Published by
**RAMANUJAN SOCIETY OF
MATHEMATICS AND MATHEMATICAL SCIENCES**

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A.M. Mathai was born in Kerala, India, on 28th April 1935. He had his high school and college level education in Kerala, passing with first classes and distinctions. He took B.Sc. (Mathematics) and M.Sc. (Statistics) from the University of Kerala in 1957 and 1959 respectively. He secured the first rank and university gold medal in 1959. He taught two years to the first batch of M.Sc students at St Thomas College Palai, University of Kerala. In 1961 he won a Canadian common wealth scholarship by securing the first rank in that competition also. In 1962 he finished a M.A. in Mathematics and in 1964 a Ph.D in Mathematics from the University of Toronto, Canada. From 1964 onward he has been a faculty member at McGill University as Assistant Professor (1964-68), Associate Professor (1968-78), Full Professor (1979-2000) and Emeritus Professor (2000-till now).

He was visiting professor at various universities around the world, spent two semesters at the University of Texas, El Paso, USA and University of Campinas, Brazil, and shorter periods at other places. He has visited almost all countries on invitation to give invited talks, lecture series etc. He has published over 300 research papers, most of them in leading research journals in Statistics, Mathematics and Physics. He is the author or principal author of 29 books, published by Springer, New York; Springer, Heidelberg; Akademie-Verlag, Berlin; Marcel Dekker, New York; Gordon and Breach, Amsterdam; World Scientific Publishing, New York; Oxford University Press, Oxford; Wiley of India and New York; Macmillan of India and London. Several of his books have over 500 citations each, Mathai-Saxena book on H-functions of 1978 has over 1000 citations. He has also edited around 50 books, including two for the United Nations' Workshops on Basic Sciences (Haubold and Mathai). There are two encyclopedia articles also: "Sun" (Haubold and Mathai), "Universe, structure of the" (Haubold and Mathai). He was/is on the editorial boards of several journals and a referee for almost all statistics and a number of mathematics journals, and a reviewer for Zentralblatt für Mathematik and Mathematical Reviews.

Internet Google's scholar citations give the following world ranks to A.M. Mathai: Statistical Distributions (first rank), Geometric Probabilities (first rank), Special Functions (second rank), Applied Analysis (second rank), Multivariate Analysis (second rank), as of January 2016. There may not be many around the world within the first five ranks in more than one area.

A.M. Mathai is a Fellow of the Institute of Mathematical Statistics (USA), Fellow of the National Academy of Sciences (India), Elected Member of the International Statistical Institute (The Netherlands), Fellow of the Indian Society for Probability and Statistics (India). A.M. Mathai is honored by various scientific societies and universities. He was honored three times by the United Nations (2008, in Japan for the Asia-Pacific region; 2009 in Korea for his contributions to UN Workshops from 1991 onward; 2011 in Ecuador for his overall contributions to research, teaching, training and administration). The very popular UN Workshops series was conceptualized by Hans J. Haubold and A.M. Mathai in 1989-1990 at the Centre for Mathematical Sciences (CMS), Trivandrum, Kerala, India, and the first UN Workshop was to be held at CMS, Trivandrum. Due to many reasons, the first UN Workshop was held in ISRO, Bangalore, India. He was President of the Indian Mathematical Society (2015-2016) for one term, the oldest professional society in India, and he is the Chairman of the Kerala State Statistical Commission (2014-2019).

From 1985 onward he is the Director (Honorary) of the Centre for Mathematical and Statistical Sciences, India and from 2000 onward he is Emeritus Professor of Mathematics and Statistics, McGill University, Canada. He is the founder of the Statistical Society of Canada (original name: Statistical Science Association of Canada) and the Canadian Journal of Statistics. The currently popular phrase “statistical sciences” was coined and defined by him in 1971 when he launched the Statistical Science Association of Canada. Parallel phrase “mathematical sciences” came into existence later on.

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Place of Publication	:	Rajyashree Bhavan (Van Vihar Modh) Phoolpur, Madarpur, Jaunpur-222002 (U.P.) India
Periodicity of its Publication	:	Twice a year
Printer, Publisher and Owner	:	Rajyashree Bhavan (Van Vihar Modh) Phoolpur, Madarpur, Jaunpur-222002 (U.P.) India
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