

Personal Bio-data

Name: SHYAM KISHORE BAJPAI

Passport n° J-706521

Date of birth: Aug 3, 1945

Name of the Parents: G.P. Bajpai and Ramkali Devi

Nationality: Indian

Name of the Wife: Shobha Bajpai

Passport n° K-562320

Religion: Hindu

Place of birth: Garhi - Lakhimpur-Kheri-u.p. India.

Children: One son (Gaurav Bajpai)

One daughter (Garima Bajpai) = Two.

Education

Ph.D. Mathematics 1970 - Indian Institute of Tech. Kanpur

M.S. Mathematics 1966 - Lucknow University (Placed in the second position in order of merit)

B.S. Mathematics, Physics, Chemistry and General English - 1962
Lucknow university.

I.Sc. Biology 1963 U.P. Board

I.Sc. Science group 1960 U.P. Board

H.Sc. Science group 1958 U.P. Board

MEMBER OF THE PROFESSIONAL SOCIETIES AND HONORS

1. American Mathematical Society
2. Indian Mathematical Society
3. Bharat Ganita Parishad
4. Sociedade Brasileira de Matemática
5. REVIEWER IN MATHEMATICAL REVIEWS

PROFESSIONAL RECORD

1978- Prof. Adjunto - Univ. de Brasília, Mat. I.C.E.

1977-1978 Prof. Titular - Univ. Federal da Paraíba - C.C.E.N.
Depto. Mat. - João Pessoa-Brazil

1976-1977 Prof. Colaborador

1974-1976 Prof. Scientist - I.I.T. DELHI-INDIA.

1972-1974 Assistant Prof. - Clark University, Worcester, Mass-U.S.A.

1969-1972 Senior Assit. - I.I.T. KANPUR-INDIA.

1968-1969 JR. ASST. - I.I.T. KANPUR-INDIA.

1966-1967 RESEARCH FELL. - I.I.T. KANPUR-INDIA.

TEACHING EXPERIENCE

TEN YEARS = DEZ ANOS.

COURSES TAUGHT

1. Measure and Integration.2.Geometry of function theory.
3. Real analysis.4.Complex analysis.5.Seminars on advaced topics in analytic fuc.6.Maths. for physics students.
7. Mathematics for Engineers.8.Functional Analysis. Metric spaces, Introduction to Topology, Set theory, Differential geometry, Introduction to Modern algebra etc.

ADDRESSES

OFFICE: Departamento de Matemática
 Instituto de Ciências Exatas
 Universidade de Brasília
 70.910 - Brasília-DF

RESIDENTIAL: S.Q.S.-206, Bl. G, Apto. 202, Brasília-DF
 Telefone: 243-2157

SPECIAL INTEREST

1. CHESS. 2. BRIDGE.

RESEARCH PUBLICATIONS
PESQUISA PUBLICADAS

1971

1. S.K. Bajpai: On the coefficients of entire functions of fast growth. Revue Roum. Math. Pures Et Appl. 16 (1971) 1159-1162. MR. 46 3787 Zent. 223 30025
2. ___: On the mean values of an entire function represented by Dirichlet series. Annales Fourier de L'université de Grenoble. 21 (1971), 31-34 MR. 49 576 Zent.
3. S.K. Bajpai and R.S.L. Srivastava: The asymptotic values of an entire function represented by Dirichlet series. Rev. Mat. Univ. Parma. (2) 12 (1971), 137-144. MR. 51 890 Zent. 292 30020

1972

1. S.K. Bajpai: A note on a class of Starlike functions. Indian J. Pure and Appl. Math. 3 (1972) 750-754. MR. 48 6384 Zent. 266 30011
2. ___: Some distortion theorem for univalent and spiral functions (With R.S.L. Srivastava). R.S. Varma memorial Volume. J. Math. Sci. 7 (1972), 1-8 MR. Zent. 313 30013
3. ___: On the radius of convexity and starlikeness of univalent functions. (Co-authored with R.S.L. Srivastava). Proc. Amer. Math. Soc. 32 (1972), 153-160. MR. 45, 3687 Zent. 229 30016 212 423

1973

1. S.K. Bajpai: On mean values of entire functions of exponential type. Glasnik Matematički (Co-authored with G.S. Srivastava). 8 (28), (1973), 187-198. MR. 50 2489 Zent. 272 30029
2. ___: On the coefficient structure and a growth theorem for the function $f(z)$ for which $zf'(z)$ is spiral like. (Co-authored with T.J.S. Mehrok). Publ. Mathématique. 16 (30), (1973), 5-12. MR. 50 10222 Zent. 278 30014

3. ___: On the univalence of certain analytic functions associated with starlike, Convex and close-to-convex functions. (Co-authored with T.J.S. Mehrok). Indian J. Pure and Appl. Math. 4 (1973), 66-72. MR: 48 4289 Zent: 261 30016

1974

1. S.K. Bajpai: On the regions of α -convexity for starlike functions. Proc. Amer. Math. Soc. 44 (1974), 365-368 MR. 49 9778. Zent. 293 30011.
2. ___: On coefficients of entire Dirichlet series. (Co-authored with O.P. Juneja and G.P. Kapoor). Rendiconti di Matematica 7 (1974), 457-479. MR. 51 3439. Zent. 302 30030.
3. ___: A decomposition theorem for an analytic functions. (Co-authored with J. Tanne and Donald Whittier). J. Math. Anal. Appl. 45 (1974), 736-742. MR. 50 10261 Zent. 324 30008
4. ___: On regions of α -convexity for subclasses of starlike functions. (Co-authored with T.J.S. Mehrok) Indian J. Pure and Appl. Math. 5 (10), (1974), 902-908. MR. Zent. 353 30009
5. ___: On the univalence of a certain integral. Indian J. Pure and Appl. Math. 5 (2), (1974), 186-191 MR. Zent. 311 30005
6. ___: On the radius of p -valent starlikeness and p -valent convexity (Co-authored with T.J.S. Mehrok). Rev. Roumaine Math. Pures Apl. 19 (1974), 973-976 MR. 50 4923 Zent. 293 30013

1975

1. S.K. Bajpai: On entire functions of fast growth. (Co-authored with O.P. Juneja and G.P. Kapoor). Trans. Amer. Math. Soc. 203 (1975), 275-297 MR. 51 8416 Zent. 298 30025
2. ___: A note on the class of meromorphic functions I. (Co-authored with T.J.S. Mehrok). Annales Polon Math. 31 (1975), 43-46. MR. Zent. 315 30016
3. ___: On the maximum term of an entire series. (Co-authored with R.S.L. Srivastava). Glasnik Matematiki. 10 (30), (1975), 55-61. MR. 51 13225 Zent. 312 30028
4. ___: Analogues of entire function inequalities for an analytic function: (Co-authored with Joseph Tanne) Canadian J. Mathematics 27 (1975), 266-293. MR. 51 3407 Zent. 304 30020 + 293 30025
5. ___: On the univalence of some analytic functions. Publ. Inst. Math. (Beograd) (N.S.). 19 (33), (1975), 25-31 MR. 53 13546 Zent. 329, 30004

1976

1. S.K. Bajpai: On the (p,q) -order and lower (p,q) -order of an entire function. (Co-authored with O.P. Juneja and G.P. Kapoor). J. für die Reine Angewandte Math; Crelle J. Math; 207. Ahrensburg. 282 (1976), 53-67 MR. 54 5464 Zent. 321, 30031
2. ___: Decomposition theorems for entire functions of Sieremeta growth. Glasnik Mat. Ser III. 11 (31), 1976. MR. 54 13079. Zent. 329, 30017

1977

1. ___: On the (p,q) -type and lower (p,q) -type of an entire function. J. Reine Angewandte Math., Crelle J. Math., 207 Ahrensburg, 290 (1977), 180-190 MR. 55 3255 Zent.
2. ___: A note on a class of meromorphic univalent functions. Rev. Roumaine Math. Pures. Appl. 22 (1977), 295-297. MR: Zent: 315 30016
3. ___: Mandelbrojts methods extend to entire functions, analytic functions represented by Dirichlet series in the entire plane, half-plane and the discs. 5º Seminário Brasileiro de Análise 5 (1977), 153-156 Announcement of results.

1978

1. ___: Approximation and interpolation of entire functions and generalized orders (Co-authored with. S.M. Shah). Annales Polon. 37 (1978), 157-166.
2. S.K. Bajpai: Influence of $\frac{1}{2} f''(0)$ on the α -convexity of normalised starlike univalent analytic functions of order β . Demonstratio Mathematica. 11 (1978), 301-330. MR. Zent.
3. S.K. Bajpai: Special arithmetic and geometric means preserving ϕ -like univalence Columbiana de Matematicas 11 (1978), 83-90. MR. Zent.
4. S.K. Bajpai: On the radii of Starlikeness, convexity and Close-to-Convexity of p -valent functions (Co-authored with. S.P. Dwivedi). Rev. Roum. Math. Pures Et Appl. 23 (1978), 839-842.

1979

1. S.K. Bajpai: An analogue of R.J. Libera's result. Rendiconti di Matematica (1979), 1-5.
2. ___: Certain classes of univalent analytic functions (Co-authored with S.P. Dwivedi). Revista Colum biana de Matematicas. 13 (1979), 207-243.
3. ___: Mandelbrojt's methods extend to entire functions represented by

1. ____: Spiral Like integral operators. International J. Math. and Mathematical Sciences, 3 (1980). To appear.
2. ____: A critical investigation of various subclasses of functions whose real part is bounded. International J. Math. and Mathematical Sciences 3 (1980). To appear.
3. S.K. Bajpai: A subordination theorem for bounded convex functions. (Co-authored with S.P. Dwivedi). Manuscripta Math. To appear.
4. S.K. Bajpai: Generalizations of growth constants I. (Co-authored with S.K.S. Gautam and S.S. Bajpai). Annales. Polon. Math. 37 (1980). To appear.

Reference

Prof. S.M. Shah
Department of Mathematics
University of Kentucky
Lexington - Ky - 40506
U.S.A.