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Department of Mathematics

Publication Details

Journal publications: 2021

- Umadevi B, Vinay C V, Dinesh P A, “The Influence of Drag on Nonlinear Oscillatory Flow through Concentric Annulus”, Molecular & Cellular Biomechanics, 18(4), 157-172, 2021.
- Nagaraja, K M, Sampathkumar R, Venkataramana B, “Properties of Power Exponential Mean and Its Invariant Mean”, International Journal of Science, Technology, Engineering and Management, 3(2), 19-24, 2021.
- Girish N, M Sankar, Keerthi Reddy, “Analysis of Fully Developed Mixed Convection in Open-Ended Annuli with Viscous Dissipation”, Journal of Thermal Analysis and Calorimetry, 143, 503-521, 2021.
- Sridevi, K, Nagaraja, K M, P Siva Kota Reddy, “Relative Study on Means in Linear Path and Two Positive Arguments in a Curved Path”, Italian Journal of Pure and Applied Mathematics, 46(2), 696-705, 2021.
- Reddy P S K, Nagaraja K M, Kumar R S, “ α -Centroidal Means and its Applications to Graph Labeling”, Palestine Journal of Mathematics, 10(2), 704–709, 2021.
- Nagaraja K M, Reddy P, “A Note on D'Ocagne's Identity on Generalized Fibonacci and Lucas numbers”, Palestine Journal of Mathematics, 10(2), 751-755, 2021.
- Nagaraja K M, Hejib A M, Venkataramana B S, “Complementary of Classical Means with Respect to Heron Mean and Their Schur Convexities”, Proceedings on Engineering, 3(2), 231-238, 2021.
- Nagaraja, K M, Ramachandraiah S, Siddappa V B, “Power Exponential Mean Labeling of Graphs”, Montes Taurus Journal of Pure and Applied Mathematics, 3(2), 70-79, 2021.
- Venkataramana B S, K M Nagaraja, R Sampath Kumar, Ambika M Hejib, “The Properties of One Parameter Power Exponential Mean and its Invariants”, Advances and Applications in Mathematical Sciences, 20(7), 1197-1208, 2021.
- R Sampath Kumar, K M Nagaraja, Ambika M Hejib, Venkataramana B S, “Schur Convexity of Complimentary Means with Respect to Centroidal Mean”, Advances and Applications in Mathematical Sciences, 20(7), 1209-1224, 2021.

- Ambika M Hejib, K M Nagaraja, R Sampath Kumar, Venkataramana B S, "Inequalities among Complimentary Means of Heron Mean and Classical Means", *Advances and Applications in Mathematical Sciences*, 20(7), 1249-1258, 2021.
- Venkataramana B S, K M Nagaraja, R Sampath Kumar, Harisha A, "The Ky Fan Type Inequalities for Power Exponential Mean and Its Invariant", *GIS Science Journal*, 8(1), 106-115, 2021.
- P Nandini, S Latha, "A Note on Meromorphic Functions Associated with (p,q) -Ruscheweyh derivative", *Advances and Applications in Mathematical Sciences*, 20(11), 2947-2958, 2021.
- P Nandini, M Ruby Salestina, S Latha, "Some Results on Certain Subclass of Meromorphic Functions Associated with (p,q) -derivative", *South East Asian Journal of Mathematics and Mathematical Sciences*, 17(2), 23-34, 2021.
- P Nandini, M Ruby Salestina, S Latha, "Coefficient Estimates for Certain Subclasses of Analytic Functions using (p,q) -derivative", *Journal of Information and Computational Sciences*, 11(5), 529-545, 2021.
- P Nandini, M Ruby Salestina, S Latha, "Fekete-Szego Inequality for Certain Classes of Analytic Functions using (p,q) -Ruscheweyh derivative", *International Journal of Mathematics Trends and Technology*, 67(6), 81-89, 2021.
- L Dileep, P Nandini, "On classes of q -al-obudi type Harmonic Functions", *Analele universitatii Oradea Fasc. Mathematica*, 28(2), 2021.

Journal publications: 2020

- K Sridevi, K M Nagaraja, P. Siva Kota Reddy, "Note on Different Kinds of Schur Convexities of Heinz type Mean", *Proceedings of the Jangjeon Mathematical Society*, 23(4), 479-484, 2020.
- R Sampath Kumar, K M Nagaraja, G Narasimhan, Ambika M Hejib, "Centroidal Mean Labeling of Graphs-II", *Proceedings of the Jangjeon Mathematical Society*, 23(2), 193-208, 2020.
- Shalini M Patil, C V Vinay, Dinesh P A, "Numerical Approach to Interpret the Attributes of Porous Journal", *Industrial Lubrication and Tribology*, 73(2), 253-259, 2020.
- Umadevi B, C V Vinay, Dinesh P A, "The Analytical Study of Velocity Slip on Two Phase Flow in an Eccentric Annular Region", *Advances in Applied Mechanical Engineering*, Chapter 26, 223-231, 2020.
- K M Nagaraja, P Dhanya, "Identities on Generalized Fibonacci and Lucas Numbers", *Notes on Number Theory and Discrete Mathematics*, 26(3), 189-202, 2020.
- K M Nagaraja, Serkan Araci, V Lokesha, R Sampathkumar, T Vimala, "Inequalities for the Arguments Lying on Linear and Curved Path", *Honam Mathematical Journal*, 42(4), 747-755, 2020.

- Chethan Kumar G D, K M Nagaraja, "A Short note on Logarithmic Convexity of Stolarsky's Mean Type Function", International Journal of Mathematical Archive- 11(3), 17-19, 2020.
- Girish N, M Sankar, O D Makinde, "Developing Buoyant Convection in Vertical Porous Annuli with Unheated Entry and Exit", Heat Transfer - Asian Research, 49(5), 2551-2576, 2020.
- P Nandini, S Latha, "On a Class of Harmonic Univalent Functions Associated with (P, Q)-Salagean Derivative", GIS Science Journal, 7(9), 753 -769, 2020.
- P Nandini, S Latha, "Coefficient Inequalities for Q-Star Like and Q-Convex Functions of Reciprocal Order", Palestine Journal of Mathematics, 9(1), 523-526, 2020.
- P Nandini, S Latha, "Coefficient Estimates of Certain Classes of Analytic Functions of Complex Order By Using Q-Ruscheweyh Derivative", Analele universitatii Oradea Fasc, Mathematica, 27(2), 131-135, 2020.

Conference publications: 2020

- Girish N, M Sankar, "Fully Developed Mixed Convection in Vertical Double Passage Porous Annuli", Journal of Physics: Conference Series, Volume 1597, 012050, Aug 2020.

Journal publications: 2019

- Vimala T, K M Nagaraja, Sampath Kumar R, "A Harmonic and Heron Mean Inequalities for Arguments in Different Intervals", International Journal of Mathematical Archive-10(7), 47-52, 2019.
- Shalini M. Patil, C V Vinay, Dinesh P A, "Multigrid Solution to Analyze the Effect of Roughness for Modified Reynolds Equation", Advances and Applications in Mathematical Sciences, 18(10), 1039-1053, 2019.
- R Sampath Kumar, K M Nagaraja, "Centroidal Mean Labeling of Graphs", International Journal of Research in Advent Technology, 7(1), 183-189, 2019.

Conference publications: 2019

- Girish N, M Sankar, Do Y, "Numerical Investigation of Developing Laminar Convection in Vertical Double-Passage Annuli", in: Rushi Kumar B., Sivaraj R., Prasad B., Nalliah M., Reddy A. (eds) Applied Mathematics and Scientific Computing, Trends in Mathematics, Birkhäuser, Cham, 2019.

Journal publications: 2018

- Manjunatha H, K M Nagaraja, "Short Note on Continuous Fourier series", International Journal of Engineering Research and Application, 8(2), (Part - 3), 19-23, 2018.
- Lakshmi Janardhana R C, K M Nagaraja, Narasimhan G, "A note on G – Complementary to Heron Mean", International Journal of Research and Analytical Reviews, 5(3), 369-373, 2018.

- Srinivasa G, Anand K, Shalini M Patil, "Relations on Tadpole of a graph", International Journal of Research in Engineering Application and Management, 4(3), 553-557, 2018.
- R Sampath Kumar, K M Nagaraja, G Narasimhan, "New Family of Heinz Type Means", International Journal of Pure and Applied Mathematics, 118(18), 3427-3433, 2018.
- Girish N, O D Makinde, M Sankar, "Numerical Investigation of Developing Natural Convection in Vertical Double-Passage Porous Annuli", Defect and Diffusion Forum, 387, 442-460, 2018.
- P Nandini, S Latha, "Coefficient Inequalities for Certain Classes of Analytic Functions Using Generalized Q-Ruscheweyh Derivative", Asia Mathematica, 2(2), 67-72, 2018.

Conference publications: 2018

- G Narasimhan, K M Nagaraja, R Sampath Kumar, K Murali, "Establishment of a New Inequality using Extended Heinz Type Mean", IOP Conf. Series: Journal of Physics: Conf. Series, 1139, 012034, 2018.

Journal publications: 2017

- Sampath Kumar R, Satish Kumar T, K M Nagaraja, G Geetha, "Application of Different Filters for Noise Removal in Digital Images", Journal of Advanced Research in Dynamical and Control Systems, 9(Sp-12), 2355-2366, 2017.
- K M Nagaraja, Murali K, Lakshmi Janardhana R C, "Improvement of Harmonic and Contra Harmonic Mean Inequality Chain", International Journal of Pure and Applied Mathematics, 114(4), 771-776, 2017.
- Manjunatha H, K M Nagaraja, "A study of Fourier transform Pair: Frequency and time Domain", International Journal of Advanced in Management, Technology and Engineering Sciences, 7(Special- 12), 167-179, 2017.
- R C L Janardhana, K M Nagaraja, V Lokesh, "Schur-Geometric Convexity of Stolarsky's Extended Mean Values", International Journal of Pure and Applied Mathematics, 114(1), 77-90, 2017.
- Sampath Kumar R, K M Nagaraja, "The Convexities of Invariant Contra Harmonic Mean with Respect to Geometric Mean", International Journal of Pure and Applied Mathematics, 116(22), 407-412, 2017.
- Lakshmi Janardhana R C, K M Nagaraja, Sampath Kumar R, Murali K, "Convexity of Power Type Heron Mean with Respect to Power Mean", International Journal of Pure and Applied Mathematics, 117(11), 155-163, 2017.
- Sampath Kumar R, K M Nagaraja P, S K Reddy, "Convexity of Stolarsky's Mean with Respect to Well-Known Greek Means", International Journal of Pure and Applied Mathematics 117(12), 401-407, 2017.
- R Sampath Kumar, K M Nagaraja, G Narasimhan, "Heron Mean Labeling of

Graphs”, International Journal of Recent Scientific Research Research, 8(9), 19808-19811, 2017.

- Lakshmi Janardhana R C, K M Nagaraja, Sampath Kumar R, Murali K, “Schur Convexities and Concavities of Generalized Heron Means”, International Journal of Pure and Applied Mathematics, 117(13), 69-79, 2017.
- K M Nagaraja, Vimala T, “Convexity and Concavity of Means”, International Journal of Research–granthaalayah, 5(4), 92-97, 2017.
- Shalini M. Patil, Dinesh P A, C V Vinay, “Numerical Solution of Modified Reynolds Equation to Study the Roughness Effects Between Two Parallel Plates”, World Applied Sciences Journal, 35(5), 729-734, 2017.
- P Nandini, S Latha, “Coefficient Inequalities for Certain Classes of Analytic Functions using Q-Ruscheweyh Derivative”, Annalele universitatii Oradea, Fasc, Mathematica, 24(2), 47-51, 2017.

Journal publications: 2016

- Sreenivasa Reddy Perla, K M Nagaraja, Padmanabhan S, Padmanava Samanta, “Schur Convexity Condition for Novel Ratio of Difference of Means”, International Journal of Scientific and Innovative Mathematical Research, 4(4), 13-18, 2016.
- K M Nagaraja, K Sridevi, P Siva Kota Reddy, “Convexity of One Mean with Respect to another Mean”, Bulletin of The International Mathematical Virtual Institute, 6, 241-249, 2016.
- K Murali, K M Nagaraja, “Schur Convexity of Stolarsky’s Extended Mean Values”, Journal of Mathematical Inequalities, JMI-10-59,10(3), 725–735, 2016.
- G S Mytra, P K Srimani, “Inertial Effects on Steady Hydromagnetic Mushy Layer Convection”, Magnetohydrodynamic 52(3), 391-406, 2016.
- P Nandini, S Latha, “Coefficient Inequalities for Classes of Q-Starlike and Q-Convex Functions using Q-Derivative”, Journal of Rajasthan Academy of Physical Sciences ,15(4), 291-297, 2016.
- P Nandini, S Latha, “A Note on Q-Ruscheweyh type Functions”, International Journal of Mathematics Trends and Technology, 34(1), 1-4, 2016.