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RESEARCH

Areas: Applied Mathematics · Computational Theory and Mathematics · Geometry and Topology · Numerical Analysis · Mathematical Physics · Algebra and Number Theory

RESEARCH SUMMARY

17	48	3	1	0.67	6%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 17 publications listed below, 2002–2024. Field-weighted impact is the mean over the 17 works scored for it; 1.00 is the world average for works of the same field, type and year. 1 of the 17 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 17

1. Anton Asare-Tuah, **Edward Prempeh** (2024). A Refinement of Jensen's and Minkowski's Inequalities via Superquadratic Functions. *International Journal of Mathematics and Mathematical Sciences*. https://doi.org/10.1155/2024/8925522
2. Kwara Nantomah, **Edward Prempeh** (2020). Some Inequalities for Generalized Hyperbolic Functions. *Moroccan Journal of Pure and Applied Analysis*. https://doi.org/10.2478/mjpaa-2020-0007
3. Ibrahim Issaka, William Obeng-Denteh, Isaac Mensah, **Edward Prempeh**, Patrick Mensah (2017). On the Regularization-Homotopy Analysis Method for Linear and Nonlinear Fredholm Integral Equations of the First Kind. *Asian Research Journal of Mathematics*. https://doi.org/10.9734/arjom/2017/32585
4. K Frimpong, **E Prempeh** (2017). Viscosity Approximation Methods in Reflexive Banach Spaces. *British Journal of Mathematics & Computer Science*. https://doi.org/10.9734/bjmcs/2017/33396
5. K Frimpong, **E Prempeh** (2017). Viscosity Approximation Methods in Reflexive Banach Spaces with a Sequence of Contractions. *British Journal of Mathematics & Computer Science*. https://doi.org/10.9734/bjmcs/2017/33414
6. Kwara Nantomah, **Edward Prempeh** (2016). INEQUALITIES FOR THE (q, k)-DEFORMED GAMMA FUNCTION EMANATING FROM CERTAIN PROBLEMS OF TRAFFIC FLOW. *Honam Mathematical Journal*. https://doi.org/10.5831/hmj.2016.38.1.9
7. Kwara NANTOMAH, **Edward PREMPEH**, Stephen Boakye TWUM (2016). On (p, q) and (q, k)-extensions of a double-inequality bounding a ratio of Gamma functions. *Mathematical Sciences and Applications E-Notes*. https://doi.org/10.36753/mathenot.421447
8. K. Nantomah, **E. Prempeh**, S. B. Twum (2016). On a (p,k)-analogue of the Gamma function and some associated Inequalities. *Moroccan Journal of Pure and Applied Analysis*. https://doi.org/10.7603/s40956-016-0006-0
9. Emmanuel Gazoya, Francis Oduro, **Edward Prempeh** (2016). Superluminal Motion of Free Spin-half Particles in a Fiber Bundle Formalism. *British Journal of Applied Science & Technology*. https://doi.org/10.9734/bjast/2016/26498
10. Asare-Tuah Anton, **Prempeh Edward** (2015). A Refinement of Jensen's Inequality via Superquadratic Functions. *British Journal of Mathematics & Computer Science*. https://doi.org/10.9734/bjmcs/2015/17068

11. Kwara Nantomah, **Edward Prempeh** (2015). CERTAIN INEQUALITIES INVOLVING THE Q-DEFORMED GAMMA FUNCTION. *Problemy analiza*. https://doi.org/10.15393/j3.art.2015.2629
12. **E. Prempeh**, I. Owusu-Mensah, K. Piesie-Frimpong (2015). Different Levels of Perturbations of the Operators of Hammerstien's Type Operator Equations. *British Journal of Mathematics & Computer Science*. https://doi.org/10.9734/bjmcs/2015/15896
13. Emmanuel Gazoya, Francis Oduro, **Edward Prempeh** (2015). Investigation of Superluminal Motion of Free Spin-half Particles in Spacetime. *Journal of Mathematics Research*. https://doi.org/10.5539/jmr.v7n4p12
14. Asare-Tuah Anton, **Prempeh Edward** (2015). Refining the Submean Inequality for Subharmonic Functions. *British Journal of Mathematics & Computer Science*. https://doi.org/10.9734/bjmcs/2016/21851
15. K. Nantomah, M. M. Iddrisu, **E. Prempeh** (2014). Generalization of some inequalities for the ratio of gamma functions. *International Journal of Mathematical Analysis*. https://doi.org/10.12988/ijma.2014.4390
16. Kwara Nantomah, **Edward Prempeh** (2014). SOME INEQUALITIES FOR THE (q, k)-DIGAMMA FUNCTION. *Mathematica Eterna*.
17. H. Zegeye, **E. Prempeh** (2002). Strong convergence of approximants to fixed points of Lipschitzian pseudocontractive maps. *Computers & Mathematics with Applications*. https://doi.org/10.1016/s0898-1221(02)00152-9