

Published Papers

1. A. Al-Rashed and S. Sahab, On the zeros of solutions of quasi-linear differential equations of the fifth order, *AJSE* **1** (1976), 124-126.
2. R. B. Darst and S. Sahab, Approximation of continuous and quasi-continuous functions by monotone functions, *J. of Approx. theory* **38** (1983), 9-27.
3. S. Sahab and S. M. Khaleeulla, Best simultaneous approximation in L_p -norm and L_p -quasi-norm, *Bull. Fac. Sci KAU* **7** (1983), 187-193.
4. S. Sahab and S. M. Khaleeulla, Some results in 2-semi inner product spaces, *J. Nat. Sci Math* **25** (1985), 24-31.
5. S. Sahab and S.M. Khaleeula, A Riesz representation Theorem in 2-semi inner product spaces, *J. Nat. Sci. Myong-Ji Univ.* **3** (1985), 117-124.
6. S. Sahab, Best Approximation and best simultaneous approximation in L_p -norm, *J. Nat. Sci. Math.* **27** (1987), 71-80.
7. S. Sahab and M. S. Khan, Some results on best approximation, *Rev. Res. Fac. Sci., Univ. of Novi Sad, Math. Ser.* **17** (1987), 143-152.
8. S. Sahab and M. S. Khan, and S. Sessa, A result in best approximation theory, *J. Approx. Theory* **55** (1988), 349-351.
9. S. Sahab, Best L_p -approximation to continuous and quasi-continuous functions by non-decreasing functions on the unit square, *J.K.A.U. :Sci.* **1** (1989), 201-212.
10. S. Sahab, On the monotone simultaneous approximation on $[0,1]$, *Bull. Austral. Math. Soc.* **39** (1988), 401-411.
11. S. Sahab, Monotone L_p -approximation of a bonded derivative, *Scientist of Phyl Sciences* **1** (1989), 102-103.
12. S. Sahab and M. S. Khan, Best approximation in spaces with convex structure, *Bull. Inst. Math. Aca. Sinica.* **17** (1989), 75-79.
13. S. Sahab, Natural choice of best L_1 -simultaneous approximant, *Tamkang J. Math.* **20** (1989), 147-157.

14. S. Sahab, Bounded measurable simultaneous monotone approximation, *Bull. Austral. Math. Soc.* **40** (1989), 37-48.
15. R. Huotari and S. Sahab, Approximation by monotone functions in $L_p[0, \infty)$, *Utilitas Math.* **38** (1990), 105-110.
16. S. Sahab, Best simultaneous approximation of quasi-continuous functions by monotone functions, *J. Austral. Math. Soc. (Series A)* **50** (1991), 391-408.
17. S. Sahab, Convergence of best simultaneous approximation. *Soochow J. Math.* **17** (1991), 239-251.
18. R. Huotari and S. Sahab, Simultaneous monotone L_p approximation $p \rightarrow \infty$, *Canad. Math. Bull.* **34** (1991), 1-8.
19. R. Huotari and S. Sahab, Simultaneous monotone approximation in low-order mean, *Bull. Austral. Math. Soc.* **45** (1992), 423-437.
20. R. Huotari and S. Sahab, Strong unicity versus modulus of convexity, *Bull. Austral. Math. Soc.* **49** (1994), 305-310.
21. R. Huotari and S. Sahab, Metric projection onto a lattice in L_1 , *J. Approx. Theory* **78** (1994), 155-160.

Research Grants:

1. S. Sahab and S. M. Khaleeulla, Normed spaces and 2-semi inner product spaces, KAAU 1985.
2. S. Sahab and S. M. Khaleeulla, Characterization of the best L_∞ approximation to continuous functions by monotone increasing functions, KAAU 1985.
3. M. S. Khan and S. Sahab, Fixed point theorems with applications in approximation theory, KAAU 1986.
4. S. Sahab, Best simultaneous approximation by non-decreasing functions, KAAU 1989.
5. S. Sahab and R. Huotari, Simultaneous monotone approximation in $[0,1]$, KAAU 1990.
6. S. Sahab and R. Huotari, Simultaneous monotone approximation : a global view, KAAU 1992.

7. S. Sahab and R. Huotari, Convexity and strong unicity in Banach spaces, KAAU 1993.
8. S. Sahab and R. Huotari, Weak sharpness and continuity of the isotonic uniform metric projection, KAAU 1997.
9. R. Kabli, S. Ba-Mashmous, S. Sahab. Analytical study of the variables affecting the academic performance of competent high school students throughout their university study, KAAU 1985.
10. S. Sahab, A. Al-Harbi, A. Zafer, A. Ghandoura, Mathematics education in elementary and intermediate schools in Saudi Arabia, King Abdul-Aziz City for Science and Technology (KACST), Riyadh 1993-1996.
11. S. Sahab and Others, Determination of basic skills in reading, writing and arithmetic for the first three grades, KACST 1996-1999.