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**A. Bass Bagayogo\*** ([abagayogo@ustboniface.ca](mailto:abagayogo@ustboniface.ca)), 200 Avenue de la Cathedrale, Winnipeg, MB R2H 0H7, Canada. *Sine Cardinal Function in Modern Computational Mathematics*.

The sine cardinal function or sinc function is an important function that arises frequently in areas of science and engineering like signal processing, approximate solutions of differential and integral equations, numerical analysis, etc... After a theoretical and practical introduction to the problem with remarkable sinc integrals and sums, I will present results from experimental mathematics techniques by using a modern computer algebra packages in order to get the numerical results with high accuracy and less computational efforts. (Received September 26, 2017)