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**Alfred M Dahma\*** ([alfy@iup.edu](mailto:alfy@iup.edu)), 114 Sandra Drive, Delmont, PA 15626. *Generalized Roundness Of The Schatten Class.*

Generalized roundness is a geometric concept developed in the late 1960s by Per Enflo to study the uniform structure of metric spaces. In their paper *Generalized Roundness and Negative Type*, Lennard, Tonge, and Weston show that generalized roundness in a metric space is equivalent to that of negative type, and prove that for  $p > 2$ ,  $L_p$  fails to have generalized roundness  $q$  for any  $q > 0$ . As a consequence, the Schatten class  $\mathcal{C}_p$ , for  $p > 2$ , has maximal generalized roundness 0. In this talk I will briefly discuss some of these results, and how they can be extended to include values of  $p < 2$ . (Received September 14, 2010)