

1067-Y5-1925      **Rachel J Weir\*** ([rweir@allegheny.edu](mailto:rweir@allegheny.edu)), Department of Mathematics, Allegheny College,  
Meadville, PA 16335. *Introducing Wavelets to First Years and Sophomores.*

Using Patrick Van Fleet's book *Discrete Wavelet Transformations: An Elementary Approach with Applications* as a guide, I have included elementary wavelet theory in both a first year seminar and a Linear Algebra class. The seminar assumes no prior mathematical background beyond high school algebra and I will discuss how I present wavelet theory in this setting, including a summary of the successes and challenges. (Received September 22, 2010)