

1035-N1-743

**James S. Walker\*** ([walkerjs@uwec.edu](mailto:walkerjs@uwec.edu)), Department of Mathematics, University of Wisconsin-Eau Claire, Eau Claire, WI 54702-4004. *Making Pictures of Music*.

Humans are predominantly visual beings. Using spectrograms we can make pictorial and video representations of musical passages, which can sometimes be easier to interpret than musical scores, and are available when scores are not (e.g. for some jazz, folk, and other performance pieces). Applications to teaching trigonometry, calculus, Fourier analysis, and group theory, will be given. Video demonstrations of the musical examples discussed in this talk are available from the URL: <http://www.uwec.edu/walkerjs/PicturesOfMusic.htm/> (Received September 14, 2007)