1056-N5-1262 **Patrick D. F. Ion*** (`ion@ams.org`), Mathematical Reviews, 416 Fourth Street, Ann Arbor, MI 48103. *Tiddly Geometry.* Preliminary report.

A TiddlyWiki under development will be demonstrated which ties together text, TeX input and MathML, and diagrams using SVG, Geogebra, and Mathematica to explain some of the widely ignored, but striking, relationship between Plane Geometry and the Discrete Fourier Transform.

The changing complexion of mathematical information transfer is well illustrated by the development of the use of TiddlyWiki documents. A TiddlyWiki (http://www.tiddlywiki.org) is a single HTML file which operates in many ways like a wiki thanks to an infrastructure based on a lot of JavaScript. There have been TiddlyWikis used for collections of math problems, for theoretical physics notebooks, for publication of the Mathematical Science Classification MSC2010, and for a great number of non-scientific publishing efforts. For example, the fundamental development of TiddlyWiki has been supported recently by British Telcom, so it is of interest to business.

Generalizations of both the technology (to remotely editable TiddlyWiki, for instance) and of the mathematics (to more than two dimensions, and from polygons to polynomial zeros and interpolation, signal processing and even qubits) will be mentioned. (Received September 21, 2009)