1037-46-31   **Peter Casazza*** (`pete@math.missouri.edu`), Department of Mathematics, MU, Columbia, MO
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A frame $\{f_m\}_{m=1}^M$ for a finite dimensional Hilbert space $\mathbb{H}$ is called an **equiangular tight frame** if the vectors are unit norm, span the space and there is a constant c so that for all $1 \leq m \neq n \leq M$ we have $|\langle f_m, f_n \rangle| = c$. We present a detailed study of this class of frames for real Hilbert spaces. (Received January 02, 2008)