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Keith E Mellinger* (kmelling@umw.edu), 1301 College Avenue, Trinkle Hall, Fredericksburg, VA 22401, and **Tim L Alderson**. *Families of optimal OOCs with $\lambda = 2$.*

We provide a new construction yielding one new and one known infinite family of optimal $(n, w, 2)$ -optical orthogonal codes, $w \in \{4, 6\}$. Our construction relies on various techniques in finite projective spaces involving hyperovals in projective planes and Singer groups. (Received July 21, 2010)