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**David Cook II\*** (dcook8@nd.edu), Department of Mathematics, 255 Hurley Building, University of Notre Dame, Notre Dame, IN 46556-4618. *Monomial ideals with persistent associated primes.*

We introduce the uniform face ideal of a simplicial complex with respect to a given ordered proper vertex colouring. This ideal is a monomial ideal which is generally not squarefree. If the colouring satisfies a certain nesting property, we describe the associated primes, which we show to be persistent. (Received August 06, 2013)