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**Daniel Alvey\*** (dalvey@wesleyan.edu). *Approximation on Affine Subspaces: A Khintchine Type result.*

A conjecture of Mahler birthed a rich tradition of investigating the Diophantine properties of subspaces of Euclidean space. Mahler's original conjecture was concerned with the extremality of a specific manifold. Another such property is that of Khintchine type, or whether the zero-one law of Khintchine's Theorem is inherited by the measure on a subspace. I will present a Khintchine type for divergence result for affine subspaces which satisfy a certain multiplicative Diophantine condition. (Received September 13, 2020)