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**Alex Iosevich\***, 145 Dunrovin Ln, Rochester, NY 14618-4815, and **Akos Magyar**  
(iosevich@gmail.com), Alex Iosevich, Rochester, NY 14618-4815. *Simplexes in thin sets.*

We will show that in dimensions three and higher, there exists a non-trivial threshold such that all sets of Hausdorff dimension greater than this threshold contains vertices of a non-degenerate simplex with the number of vertices smaller than the ambient dimension. (Received January 20, 2020)