## 1124-57-412

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It was shown by Putyra that even and odd Khovanov homology can be combined into a unified Khovanov homology theory. Unified Khovanov homology groups have the structure of modules over the group ring  $\mathbb{Z}\mathbb{Z}_2$  which has a pullback presentation. We start by showing that these modules are always separated. As such, they admit algorithmic classification as a direct product of indecomposable  $\mathbb{Z}\mathbb{Z}_2$ -modules which, in turn, were classified by Levy. This allows one to compare unified Khovanov homology for different knots and links. We present evidence that the unified Khovanov homology is a stronger knot invariant than the even and odd Khovanov homology combined. (Received September 13, 2016)