

## On the classification of non-big Ulrich vector bundles on fourfolds

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**Abstract.** We give an almost complete classification of non-big Ulrich vector bundles on fourfolds. This allows us to classify them in the case of Picard rank-one fourfolds, of Mukai fourfolds and in the case of del Pezzo  $n$ -folds for  $n \leq 4$ . We also classify Ulrich bundles with non-big determinant on del Pezzo and Mukai  $n$ -folds,  $n \geq 2$ .

**Mathematics Subject Classification (2020):** 14J35 (primary); 14J60 (secondary).