

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, $n \geq 2$.

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