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Some attempt at constructing infinitely many families of Calabi–Yau manifolds

Some Calabi–Yau construction by smoothing normal crossings, that may possibly lead to construction of infinitely many families of Calabi–Yau manifolds, will be discussed. It depends on the existence of a specific type of threefolds and some K3 surfaces.

As byproducts, we will also discuss some generalization of Enriques Calabi–Yau threefolds.