Bang, S.; Koolen, J. H.; Moulton, V.
There are only finitely many regular near polygons and geodetic distance-regular graphs with fixed valency. (English) Zbl 1247.05273 J. Reine Angew. Math. 635, 213-235 (2009).


Bannai and Ito showed that their conjecture holds for valencies $k = 3, 4$, as well as for the special class of bipartite distance-regular graphs. J. H. Koolen and V. Moulton also showed that the conjecture holds for distance-regular graphs of fixed valency $k = 5, 6$ or $7$, and for triangle-free distance-regular graphs of fixed valency $k = 8, 9$ or $10$.

In this paper the authors show that the Bannai-Ito conjecture holds for regular near polygons and geodetic distance-regular graphs.

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