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Triangles with given inscribed and circumscribed circles. (Trianglar med givna omskrivna och inskrivna cirklar.)

Normat. 57, No. 3, 129-140 (2009).

Summary: This is a second article [for a review of the first one see *ibid.* 57, No. 1, 10-21 (2009; Zbl 1188.51007; ME 2009f.00485)] in a series of three, concerning 1-dimensional families of triangles. In this case those with given circumscribed and inscribed radii R, r are presented. The construction of such families is a special case of Poncelet's theorem, exploiting the approach via elliptic curves, initiated by Jacobi.

Classification: G90 G50 G70

Keywords: Poncelet's theorem; elliptic curves; geometric group structures