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Document Title : Regular thin near octagons and its related groups or designs

المنتظم الرقيق بقرب الثماني والزمر والتصاميم المتعلقة به

Document

: Arabic

Language Abstract

: We develop a structure theory for regular thin near octagons and obtain ten necessary conditions for their existence. Using these necessary conditions we find

23 feasible parameter sets of regular thin near octagons with |p| < 100. We prove the existence or non-existence of these cases and find the related group or design in

case near octagon exists

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