



Corrections to: Compact Ovoids in Quadrangles I–III

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The following mistakes in [1] and [2] were pointed out by M. Wolfrom and N. Rosehr.

In our Definition 1.1 [1] of a generalized quadrangle, we should, in addition to the axioms (GQ₁) and (GQ₂), require that no digons exist, i.e. two lines which have two points in common coincide. The same condition should be added to our definition of a weak generalized quadrangle.

In Theorem 4.5, the inequalities are stated the wrong way. The correct statement for Theorem 4.5 is thus as follows.

THEOREM 4.5. *Let \mathfrak{Q} be a compact connected finite-dimensional quadrangle with parameters (m, m') . If $m \geq m'$, then \mathfrak{Q} is line-minimal, and if $m \leq m'$ then \mathfrak{Q} is point-minimal. If $m = m'$, then \mathfrak{Q} has no full or ideal closed subquadrangles.*

This is exactly what we prove.

In [2] p. 336, the correct formula for the Chern character is

$$ch(\gamma) = \text{rk}\gamma + \frac{(-1)^{(m/2)}}{(m/2 - 1)!} c_{m/2}(\gamma),$$

References

1. Kramer, L. and Van Maldeghem, H.: Compact ovoids in quadrangle I: Geometric constructions, *Geom. Dedicata* **78** (1999), 279–300.
2. Kramer, L.: Compact ovoids in quadrangles III: Clifford algebras and isoparametric hypersurfaces, *Geom. Dedicata* **79** (2000), 321–339.