

## Beyond the generalized Douglas–Weyl spaces

By NASRIN SADEGHZADEH (Qom) and NAJMEH SAJJADI MOGHADAM (Qom)

**Abstract.** This paper gives new insights into the class of *generalized Douglas–Weyl* (*GDW*-) metrics. This projective invariant class of Finsler metrics contains some well-known Finsler metrics such as Douglas, Weyl and *R*-quadratic metrics. Here, some new subclasses of *GDW*-metrics are constructed and considered as the explicit Finsler metrics. Many illustrative and interesting examples are presented.

NASRIN SADEGHZADEH &  
NAJMEH SAJJADI MOGHADAM  
DEPARTMENT OF MATHEMATICS  
UNIVERSITY OF QOM  
ALGHADIR BLD  
QOM  
IRAN

---

*Mathematics Subject Classification:* 53B40, 53C60.

*Key words and phrases:* Douglas metrics,  $\bar{D}$ -metrics, GDW-metrics, *R*-quadratic Finsler metrics, *PR*-quadratic Finsler metrics.