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
DEPARTMENT OF MATHEMATICS
UNIVERSITY OF QOM
ALGHADIR BLD
QOM
IRAN

NAJMEH SAJJADI MOGHADAM
DEPARTMENT OF MATHEMATICS
UNIVERSITY OF QOM
ALGHADIR BLD
QOM
IRAN