

Beyond the generalized Douglas–Weyl spaces

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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.

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