

# BOREL SETS AND SEPARATION AXIOMS

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## ABSTRACT

The interactions of the Borel classes with separation axioms between  $T_0$  and  $T_1$  are considered. A topological space is said to be  $GT_D$  (resp.  $GT_{\frac{1}{2}}$ ) if each point is an intersection of a closed set with a  $G_\delta$ -set (resp. each point is closed or a  $G_\delta$ -point). Minimal  $GT_D$ - and minimal  $GT_{\frac{1}{2}}$ -spaces are characterised. Relevant examples are presented.