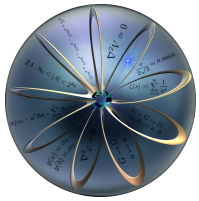

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How are normal and T4 spaces defined in books?

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A recent discussion on PlanetMath has led me to consider how various sources define normal and T4 spaces. I limited myself to books, mostly textbooks. No articles were consulted. As will be seen from the table below, there is no agreement on the question of how to define it. I am not giving precise references at this time, and may choose to never do that. I think the abbreviated form may be sufficient for those that seek to check what I have done. If you want to add something to the table, file a correction. S refers to the condition that closed sets can be separated by open sets. The condition S is due to Tietze, according to Alexandroff and Hopf. Of course, T1 + S is the same as T2 +S.

Source	Normal	T4	Page	Year
Alexandroff and Hopf	T1+S	T1+S	68	1935
Wilder	S	?	49	1949
Kelley	S	T1+S	112	1955
Hocking and Young	T1+S	T1+S	41	1961
Pervin	S	T1+S	88	1964
Gaal	T1+S	S	87	1964
Lipschutz	S	T1+S	141	1965
Husain	T1+S	S	7	1966
Dugundji	T2+S	T2+S	144	1966
Gemignani	T1+S	S	102	1967
Willard	S	T1+S	99	1970
Steen and Seebach	T1+S	S	12	1970
Maunder	S	-	15	1970
Munkres	T1+S	-	195	1975
Morris	S	T2+S	121	1988
Repovš	T1+S	S	6	1998
Stroppel	T2+S	S	6	2006