Review of: "A Convergence Not Metrizable"

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The main result of this paper is an easy special case of a result in the literature.

Indeed, the author assumes that the metric space M is complete and “strongly second numerable”. This implies in particular that M is complete and does not have isolated points. By the Baire category theorem, M is then uncountable.

Now, the result of the paper under review is a direct consequence of Theorem 9.5 in Chapter XII of the book “Topology” by James Dugundji. For this, note that every metric space is perfectly normal (and thus in particular completely regular, by Example 1 in Section 7 of Chapter VII of the same book) by Theorem 5.2 in Chapter IX of the same book.