

Correction to “On Shelah’s Compactness of Cardinals”, by Shai Ben-David, Israel Journal of Mathematics, Vol. 31, No. 1, 1978, pp. 34–56.

Due to a regrettable error, the abstract as printed is incorrect; it should read as follows:

We deal with the compactness property of cardinals presented by Shelah in [7]. There he proves a compactness theorem for singular cardinals. In section 1 we improve that result in eliminating axiom I there. In section 2 we show a new application of that theorem together with a straightforward proof of it for the spatial case discussed. In section 3 we discuss compactness for regular cardinals and show some independence results: one of them, a part of which is due to A. Litman, is the independence from ZFC + GCH of the gap-one two cardinal problem for singular cardinals.

Unless otherwise stated, the theorems here are all due to Shelah. My part was to write the proofs down and fill in missing details.