Cifuentes Vásquez, José Carlos
Compactness and compactification in model theory. (Spanish) [Zbl 0831.03020]
Proceedings of the IX Latin American symposium on mathematical logic, Bahía Blanca, Argentina,
(1994).

Using purely topological methods the author gives (i) a characterization of the compactness of model-
theoretic logics in terms of the convergence of families of structures by way of ultrafilters defined on those
families, and (ii) a method to build a topological compactification of each space of structures.

For the entire collection see [Zbl 0812.00018].

Reviewer: F.G.Asenjo (Pittsburgh)

MSC:
03C95 Abstract model theory
54D30 Compactness
54D35 Extensions of spaces (compactifications, supercompactifications, completions, etc.)

Keywords:
compactness; model-theoretic logics; convergence of families of structures; ultrafilters; compactification;
space of structures