**Extendable irreducible representations of compacta**

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**Abstract:** For each infinite set $\vee$, we consider the class of compacta in the Tychonoff cube $I^{\Omega}$ which contain $0_{\Omega}$. We show that each such $X$ can be represented extendably as the limit of an approximate (inverse) system $\mathbf{X} = (P_a, \mathcal{U}_{\dashv}, , \sqrt{}^{\dashv\dashv'}, (A, \leq))$ of compact polyhedra where all bonding maps are piecewise linear and irreducible and all projections are irreducible. The extendability refers to the notion that if $X \subset Y = \overline{Y} \subset I^{\Omega}$, then there is a similar (extendable) approximate system $\mathbf{Y} = (\tilde{P}_a, \tilde{\mathcal{U}}_a, \tilde{p}_{aa'}, (A, \leq))$ for $Y$ where each object with the same index is an extension of the one in $\mathbf{X}$.