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Edward Tymchatyn* (tymchat@math.usask.ca), **Wojciech Debski**, **Kazuhiro Kawamura**
and **Murat Tuncali**. *Inverse systems with simplicial bonding maps and cell structures.*

For a topologically complete space X and a sufficiently large family of normal, closed covers of X , we give a construction of an inverse system of simplicial complexes with simplicial bonding maps such that the inverse limit is homotopy equivalent to X . A connection with cell structures (i.e. certain inverse systems of graphs) is discussed. (Received September 10, 2019)