## 3-MANIFOLDS CONSTRUCTED FROM THREE HANDLEBODIES

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Classically, two handlebodies glued together form a Heegaard splitting of a 3-manifold. We study when three handlebodies are glued to form a 3-manifold, so that the fundamental group of each handlebodies injects into the fundamental group of the manifold. This can be viewed as a generalisation of the construction of Seifert fibered spaces with infinite fundamental group. Such 3-manifolds have many nice properties and appear to be very common.

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[^0]:    University of Melbourne

