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Mary Leah Karker* (mkarker@wesleyan.edu<<mailto:mkarker@wesleyan.edu>>), Wesleyan University, Middletown, CT 06459. *Products of metric structures.*

This talk will focus on analogues, for continuous logic [1], of results of Feferman and Vaught on model-theoretic properties of various kinds of product [2]. For example: a natural continuous-logic version of direct product preserves elementary equivalence and elementary inclusion; and if a sentence θ is true in $\prod_{i=3D0}^k \mathcal{M}_i$ for every $k \in \mathbb{N}$, then θ is true in $\prod_{i \in \mathbb{N}} \uparrow M_i$. (Received October 05, 2015)