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Alexei S Kolesnikov* (akolesnikov@towson.edu), Department of Mathematics, Towson University, 8000 York Rd., Towson, MD 21252, and **Christopher Lambie-Hanson**. *The Hanf number for amalgamation property.*

We address the problem of computing the Hanf number for the amalgamation property of abstract elementary classes. We define a family of AECs that we call coloring classes. For this family, we show that the Hanf number for the disjoint amalgamation property and the amalgamation property is $\beth_{|L|+}$, where $|L|$ is the size of the language. The results improve those obtained earlier by Baldwin, Kolesnikov, and Shelah. (Received September 13, 2014)