1127-05-399   **Po-Shen Loh*** (`ploh@cmu.edu`), **Michael Tait** and **Craig Timmons**. *Induced Turán numbers.* The classical Kővári-Sós-Turán theorem states that if G is an n-vertex graph with no copy of $K_{s,t}$ as a subgraph, then the number of edges in G is at most $O(n^{2-1/s})$. We prove that if one forbids $K_{s,t}$ as an *induced* subgraph, and also forbids *any* fixed graph H as a (not necessarily induced) subgraph, the same asymptotic upper bound still holds, with different constant factors. This introduces a nontrivial angle from which to generalize Turán theory to induced forbidden subgraphs, which this paper explores. Along the way, we derive a nontrivial upper bound on the number of cliques of fixed order in a K_r-free graph with no induced copy of $K_{s,t}$. This result is an induced analog of a recent theorem of Alon and Shikhelman and is of independent interest. (Received February 07, 2017)

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