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Ryan C Bunge (rcbunge@ilstu.edu) and **Saad I El-Zanati** (saad@ilstu.edu), IL, and **Daniel Gibson*** (daniel.gibson@cune.org), **Jackelyn Nagel** (nagejack@my.dom.edu), **Benjamin Stanley** and **Allison Zale** (amzale@ilstu.edu). *On cyclic decompositions of $K_{n,n}$ minus a 1-factor into 2-regular graphs.*

Let G be a 2-regular bipartite graph with $n \equiv 0 \pmod{4}$ edges. We show that there exists a cyclic G -decomposition of $K_{n+1,n+1} - F$, where F is a 1-factor in $K_{n+1,n+1}$. (Received September 24, 2012)