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Vincent Coll and **Alexander Halperin*** (adhalperin@salisbury.edu), Dept. of Mathematics and Computer Science, 1101 Camden Ave., Salisbury, MD 21801, and **Colton Magnant** and **Pouria Salehi**. *Enomoto and Ota's Conjecture Holds for Large Graphs*. Preliminary report.

In 2000, Enomoto and Ota conjectured that if a graph G satisfies $\sigma_2(G) \geq n+k-1$, then for any set of k vertices v_1, \dots, v_k and for any positive integers n_1, \dots, n_k with $\sum n_i = |G|$, there exists a partition of $V(G)$ into k paths P_1, \dots, P_k such that v_i is an end of P_i and $|P_i| = n_i$ for all i . We prove this conjecture when $|G|$ is large. Our proof uses the Regularity Lemma along with several extremal lemmas, concluding with an absorbing argument to retrieve misbehaving vertices. (Received September 09, 2014)