1126-05-70 **Ken-ichi Kawarabayashi**, **Kenta Ozeki** and **Michael Plummer***
(michael.d.plummer@vanderbilt.edu). *Matching Extension missing Vertices and Edges in Triangulations of surfaces.*

Let G be a 5-connected triangulation of a surface Σ different from the sphere and let $\chi = \chi(\Sigma)$ be the Euler characteristic of Σ. Suppose that $V_0 \subseteq V(G)$ with $|V(G) - V_0|$ even and that M and N are two matchings in $G - V_0$ of sizes m and n respectively such that $M \cap N = \emptyset$. It is shown that if the pairwise distance between any two elements of $V_0 \cup M \cup N$ is at least 5 and the face-width of the embedding of G in Σ is at least $\max\{20m - 8\chi - 23, 6\}$, then there is a perfect matching M_0 in $G - V_0$ containing M such that $M_0 \cap N = \emptyset$. (Received January 01, 2017)