

1133-13-170

Saeed Nasseh, Sean Sather-Wagstaff* (ssather@clemons.edu), **Ryo Takahashi** and **Keller VandeBogert**. *Almost Gorenstein Fiber Product Rings*. Preliminary report.

Let (S, \mathfrak{m}_S, k) and (T, \mathfrak{m}_T, k) be local rings that are not fields. Work of Lescot shows that the fiber product $R = S \times_k T$ is Gorenstein if and only if S and T are 1-dimensional regular local rings, in which case R is a 1-dimensional hypersurface. We shall discuss the related question of characterizing *almost* Gorenstein fiber products, in the sense of Goto-Matsuoka-Phuong and Goto-Takahashi-Taniguchi. (Received July 24, 2017)