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P. Gallardo* (pgallard@ucr.edu), **L. Schaffler**, **G. Pearlstein** and **Z. Zhang**. *On compact moduli of special Horikawa surfaces.*

We describe geometric compactifications of a particular locus within the moduli space of special Horikawa surfaces with $p_g = 2$ and $K^2 = 1$. These surfaces are bidouble covers of the projective plane branched along a quintic and two lines, and they are relevant because they satisfy a generic global Torelli theorem. All the results are joint work with L. Schaffler, G. Pearlstein and Z. Zhang. (Received August 31, 2019)