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Jason P. Schmurr* (schmurr@math.oregonstate.edu). *Translation Covers Among Triangular Billiards Surfaces*. Preliminary report.

We identify all translation covers among triangular billiards surfaces. Our main tools are the J-invariant of Kenyon and Smillie and a property of triangular billiards surfaces, which we call fingerprint type, that is invariant under balanced translation covers. (Received September 07, 2008)