

Russell A. Gordon and Sara L. Graham
Comments on Proofs That There are No Four Squares in Arithmetic Progression,
Fibonacci Quart. **53** (2015), no. 1, 68–73.

Abstract

It is known that there are no four distinct squares that form an arithmetic progression. We present a slightly new proof of a more general result, summarize the various proofs that there are no four squares in arithmetic progression, and carefully explain the error in an incorrect proof that persists in the literature.