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John B. Friedlander* (frdlndr@math.toronto.edu), Dept. of Computer and Mathematical Sciences, University of Toronto at Scarborough, Toronto, ON M1C 1A4, Canada. *Squares and Primes.*

We discuss a number of results obtained in works with different co-authors (H. Iwaniec, I. Shparlinski, T.D. Wooley). The problems considered all fall under the common theme of the application of sieve methods to the representation of integers in terms of squares and primes. (Received September 07, 2013)