# ERRATA TO "ON SECOND 2-DESCENT AND NON-CONGRUENT NUMBERS" (ACTA ARITH. 170.4 (2015), 343-360) 

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The "In particular" part of Corollary 2.9 is not true. In the proof of this corollary, the statement on page 356 , line 7 , is not correct. The image space of A may be not a subspace of $x_{1}+\cdots+x_{k}=0$, since this is equivalent to $A^{T} \overrightarrow{1}=\overrightarrow{0}$ but we only have $\vec{A}=\overrightarrow{0}$. The above statement does hold if each odd prime factor of $n$ is congruent to 1 modulo 8 .

This error requires the following corrections:

- Theorem 1.1(2): Assume $m \equiv 1 \bmod 8, p_{i} \equiv 1 \bmod 8$.
- Example 1.3(2) should be removed.
- Page 356 line $2, p \equiv 1 \bmod 8$.

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[^0]:    Date: November 30, 2021.
    2010 Mathematics Subject Classification. Primary 11G05.

