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Correction to "Minimal polynomials for Gauss periods with $f = 2$"

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by

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In the expression for $c_{\phi(m)/2}$ appearing in Theorem 1, the case $m = 4p^\alpha$ was overlooked. The expression should read

$$c_{\phi(m)/2} = \begin{cases} \left(\frac{-2}{p}\right) & \text{if } m = p^\alpha, \text{ an odd prime power,} \\ \left(\frac{-1}{p}\right)p & \text{if } m = 4p^\alpha \text{ with } p \text{ odd,} \\ 1 & \text{otherwise.} \end{cases}$$

The proof follows similarly as before.

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