

**ERRATA FOR *MARKOV CHAINS AND MIXING
TIMES*, SECOND EDITION**

- Comment from Fei Cao: Inequality (2.30) is false as written. Inequality (2.30) becomes true if the RHS is multiplied by 2, which will cause the Corollary to have an additional factor of 2 as well.
- (12.18): The eigenfunctions for SRW on the cycle given there satisfy $f_j = f_{n-j}$, so there are only $1 + \lfloor n/2 \rfloor$ of them, for $j = 0, 1, \dots, \lfloor n/2 \rfloor$.
Replacing cosine by sine for $j = 1, \dots, \lfloor (n-1)/2 \rfloor$ yields the remaining eigenfunctions. This is needed in order to be sure what the spectral gap is. This error propagates to (12.19) where the eigenfunctions claimed to be independent are double-counted and the eigenvalues we claim are distinct are repeated. Sines are needed there as well.