

Detrending with different degree polynomials

Figure S1 A shows the zeromean difference when detrending the curve of the mean RT with effect of oscillatory activity shown in Figure 2 with a *2nd* degree polynomial. The black dashed lines have equal distance to the zero line. A trend is still recognizable in the oscillation. Figure S1 B shows the zeromean difference when detrending the same curve with a *5th* degree polynomial which appears to be more symmetric around the zeromean.