

EXCEPTIONAL GROUPS AND THEIR MODULAR FORMS

1. CORRECTIONS

- (1) pg. 194, column 2, the formula for $r_4(n)$: Define $\sigma'(n) = \sum_{d|n, d \text{ odd}} d$ to be the sum of the odd divisors of n . Then $r_4(n) = 8\sigma(n) = 8\sigma'(n)$ if n is odd and $r_4(n) = 24\sigma'(n)$ if n is even.
- (2) pg. 195, column 1, the definition of modular forms, item 2: The function $y^{k/2}|f(z)|$ is bounded above by a constant times $(y + y^{-1})^N$ for some $N > 0$.
- (3) pg. 199, column 2: the form of F_4 defined via $H_3(\Theta^c)$ is compact but the form of E_6 defined this way is not compact.
- (4) pg. 200, column 2, equation (8): The $e^{2\pi i \text{tr}(TZ)}$ should be $e^{\pi i \text{tr}(TZ+ZT)}$.