	0	1	2	3	4	5	6	7	8	9
${}^t m'$	$(0,0)$	$(1,1)$	$(0,0)$	$(1,1)$	$(0,1)$	$(1,0)$	$(0,0)$	$(1,0)$	$(0,0)$	$(0,1)$
${}^t m''$	$(0,0)$	$(0,0)$	$(1,1)$	$(1,1)$	$(0,0)$	$(0,0)$	$(0,1)$	$(0,1)$	$(1,0)$	$(1,0)$

各 characteristic m に, 上の表によって数字 i を対応させて

$$\begin{aligned} \theta_i(z) &:= \theta_m(\phi(z)) \quad (i = 0, 1, \ldots, 9), \\ \theta^a_{i_1 \cdots i_r} &:= \theta^a_{i_1} \cdots \theta^a_{i_r}, \quad (a \in \mathbb{N}, i_1, \ldots, i_r \in \{0, 1, \ldots, 9\}) \end{aligned}$$

とおく.

Gundlach の結果より, $M^s_{\mathrm{ev}}(\Gamma_K) = \mathbb{C}[G_2, G_6, G_{10}]$.

$s_6 := 67 \cdot (2^5 \cdot 3^3 \cdot 5^2)^{-1}(G_2^3 - G_6)$,

$s_{10} := (2^{10} \cdot 3^5 \cdot 5^5 \cdot 7)^{-1}(2^2 \cdot 3 \cdot 7 \cdot 4231 G_2^5 - 5 \cdot 67 \cdot 2293 G_2^2 G_6 + 412751 G_{10})$

とおくと, $s_6 = H_6 \in S^s_6(\Gamma_K)$, $s_{10} \in S^s_{10}(\Gamma_K)$ であって, $M^s_{\mathrm{ev}}(\Gamma_K) = \mathbb{C}[G_2, s_6, s_{10}]$.

$$s_5 := 2^{-6}\theta_{01\cdots 9}$$

とおくと, $s_5 = 2^{-6}\Theta$. さらに $s_5^2 = s_{10}$ が成立する. これは両辺の Fourier 係数を比較して証明される. 次の等式も Fourier 係数の比較による.

$$\begin{aligned} G_2 &= 2^{-2}(\theta_0^4 + \theta_1^4 + \theta_2^4 - \theta_3^4 + \theta_4^4 + \theta_5^4 + \theta_6^4 - \theta_7^4 + \theta_8^4 - \theta_9^4) \\ &= \theta_{0145} - \theta_{1279} - \theta_{3478} + \theta_{0268} + \theta_{3569}, \\ s_6 &= 2^{-8}(\theta^2_{012478} + \theta^2_{012569} + \theta^2_{034568} + \theta^2_{236789} + \theta^2_{134579}). \end{aligned}$$

$$\begin{aligned} s_{15} := {} & -2^{-18}(\theta^9_{07}\theta^5_{18}\theta_{24} - \theta^9_{25}\theta^5_{16}\theta_{09} + \theta^9_{58}\theta^5_{03}\theta_{46} - \theta^9_{09}\theta^5_{25}\theta_{16} \\ & +\theta^9_{09}\theta^5_{16}\theta_{25} - \theta^9_{67}\theta^5_{23}\theta_{89} + \theta^9_{18}\theta^5_{24}\theta_{07} - \theta^9_{24}\theta^5_{18}\theta_{07} \\ & -\theta^9_{46}\theta^5_{03}\theta_{58} - \theta^9_{24}\theta^5_{07}\theta_{18} - \theta^9_{89}\theta^5_{67}\theta_{23} - \theta^9_{07}\theta^5_{24}\theta_{18} \\ & +\theta^9_{89}\theta^5_{23}\theta_{67} - \theta^9_{49}\theta^5_{13}\theta_{57} + \theta^9_{16}\theta^5_{09}\theta_{25} - \theta^9_{03}\theta^5_{46}\theta_{58} \\ & +\theta^9_{16}\theta^5_{25}\theta_{09} - \theta^9_{46}\theta^5_{58}\theta_{03} - \theta^9_{25}\theta^5_{09}\theta_{16} - \theta^9_{57}\theta^5_{49}\theta_{13} \\ & +\theta^9_{67}\theta^5_{89}\theta_{23} + \theta^9_{58}\theta^5_{46}\theta_{03} + \theta^9_{57}\theta^5_{13}\theta_{49} - \theta^9_{23}\theta^5_{89}\theta_{67} \\ & +\theta^9_{18}\theta^5_{07}\theta_{24} + \theta^9_{03}\theta^5_{58}\theta_{46} + \theta^9_{23}\theta^5_{67}\theta_{89} + \theta^9_{49}\theta^5_{57}\theta_{13} \\ & -\theta^9_{13}\theta^5_{57}\theta_{49} + \theta^9_{13}\theta^5_{49}\theta_{57}) \end{aligned}$$

とおくと $s_{15} \in S^s_{15}(\Gamma_K)$, $\mathbb{D}(s_{15}) = g_6\Delta^2$.