Supplements and corrections to
my former papers

By

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I. Corrections

("nt")("nb") means respectively the n-th line from top (bottom))

1. "Contributions to Riemann-Roch's theorem" This memoirs, vol. 31 (1958) pp. 161–180

The following slight modifications would make our argument correct and more neat.

12b, p. 162 Delete the sentence "We normalize … at Q_1" and insert, after the definition of the space S, "In case of the non-integral divisor $\delta = \delta_{(P)}/\delta_{(Q)}$, we identify two integrals or functions in $M (\supset S)$ if they are identical except a constant. Therefore every element of S is then an equivalent class (in M) containing a single-valued function which is a multiple of $\delta_{(Q)}/\delta_{(P)}$. Anyway, dim S is equal to the number of linearly independent functions which are single-valued and multiples of $1/\delta$".

3t, p. 163 Omit "and vanish at Q_1"

8t, p. 166 Replace "Now if … absurd" by "If we choose $\varphi = \phi_{Q_1 Q_t} \in E$, then we have $c = \Omega(Q_t) = \Omega(Q_1)$ $(t = 2, \cdots, s)$".

10t. p. 166 Replace Ω by $\Omega - c$.

Corresponding modifications should be made for the spaces M' (15t, p. 167), M(W) (17t, p. 169), and also the space M (6t, p. 249) in my paper;

    [*] "Theory of Abelian integrals and its applications to conformal mappings" This memoirs, vol. 32 (1959) pp. 235–258