ERRATUM

Mitsuyasu Hashimoto

Good filtrations of symmetric algebras and strong F -regularity of invariant subrings

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In the above mentioned article, the following assertion was presented.

Let k be an algebraically closed field, and G a reductive group over k . Then the class of good G -modules (G -modules with good filtrations) is *closed under quotients* in the category of G -modules (Theorem 2, **3**).

The author was not aware of this usually means that if V is a good G -module and W is any G -submodule of V , then V/W is good. This assertion is wrong. Indeed, if the characteristic of k is three, $E = k^3$, $G = \mathrm{GL}(E)$, and $V = \mathrm{Sym}_3 E$, then V is good, but $V/\mathrm{soc}(V)$ is not good, where soc denotes the socle.

The correct assertion that the author intended there was, that if V is a good G -module and W is a good G -submodule of V , then V/W is also good. Throughout the article, only this correct assertion is used.

The author thanks the people who communicated to the author and clarified this error.