
ERRATA OF MY PAPERS

by

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1. PhD Thesis

Lemma 2.2.26. — *There is no reason for the existence of such a power series $Q(T)$, because the ring $\mathcal{O}_E[[w]]$ is not stable by φ_d a priori. However, we can replace $\mathcal{O}_E[[w]]$ by another ring $\mathcal{O}_E[[w']]$ which contains the former and for which this condition holds. This is done in details in [Poy19].*

2. (φ, τ) -modules différentiels et représentations potentiellement semi-stables

In the beginnng of §2.2, I claim that the operator ∇ that Berger defines on the cyclotomic Robba ring corresponds to $\frac{d}{du}$ but it actually is $(1+u)t\frac{d}{du}$, where $t = \log(1+u)$.

Remark 3.4. — *One should invert λ in every equality stated for the result to hold.*

References

[Poy19] Léo Poyeton, *Formal groups and lifts of the field of norms*, arXiv preprint arXiv:1903.11106 (2019).

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