

1032-14-5

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669-1337, Japan. *G<sub>a</sub>-actions and completions*. Preliminary report.

Let  $\delta$  be a locally nilpotent derivation on an affine domain  $B$  defined over the complex field  $\mathbb{C}$  and let  $A = \text{Ker}\delta$ . Let  $M$  be a maximal ideal of  $B$  and let  $m = A \cap M$ . Then  $\delta$  extends to  $\mathbb{C}$ -derivations  $\delta_M$  and  $\hat{\delta}_M$  on the local ring  $B_M$  and its  $M$ -adic completion  $\hat{B}_M$ . We shall show that  $\text{Ker}\hat{\delta}_M$  is not necessarily equal to the  $m$ -adic completion  $\hat{A}_m$ , though  $\text{Ker}\delta_M = A_m$  provided  $B$  is factorial. This gives a negative answer to a problem raised by the speaker in the Oberwolfach workshop on Affine Algebraic Geometry, January 2007. (Received April 26, 2007)