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Title:	Dimension quotients of metabelian Lie rings				
Authors:	Passi, I.B.S. (/jspui/browse?type=author&value=Passi%2C+I.B.S.) Sicking, T. (/jspui/browse?type=author&value=Sicking%2C+T.)				
Keywords:	central series Lie dimension subrings Lie rings				
Issue Date:	2017				
Publisher:	World Scientific Publishing Co. Pte Ltd				
Citation:	International Journal of Algebra and Computation, 27(2)				
Abstract:	For a Lie ring L over the ring of integers, we compare its lower central series $\{\gamma n(L)\}n\geq 1$ and its dimension series $\{\delta n(L)\}n\geq 1$ defined by setting $\delta n(L)=L\cap\omega n(L)$ , where $\omega(L)$ is the augmentation ideal of the universal enveloping algebra of L. While $\gamma n(L)\subseteq \delta n(L)$ for all $n\geq 1$ , the two series can differ. In this paper, it is proved that if L is a metabelian Lie ring, then $2\delta n(L)\subseteq \gamma n(L)$ , and $[\delta n(L),L]=\gamma n+1(L)$ , for all $n\geq 1$ . © 2017 World Scientific Publishing Company.				
URI:	https://www.worldscientific.com/doi/abs/10.1142/S0218196717500114 (https://www.worldscientific.com/doi/abs/10.1142/S0218196717500114) http://hdl.handle.net/123456789/2657 (http://hdl.handle.net/123456789/2657)				
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