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**Anna H Kaminska\*** (kaminska@memphis.edu) and **Hyung-Joon Tag**. *Diameter of weak neighborhoods and the Radon-Nikodým property in Orlicz-Lorentz spaces.*

Given an Orlicz convex function  $\varphi$  and a positive weight  $w$  we present criteria of diameter two property and of Radon-Nikodým property in the Orlicz-Lorentz function and sequence spaces,  $\Lambda_{\varphi,w}$  and  $\lambda_{\varphi,w}$ , respectively. We show that in the spaces  $\Lambda_{\varphi,w}$  or  $\lambda_{\varphi,w}$  equipped with the Luxemburg norm, the diameter of any relatively weakly subset of the unit ball in these spaces is two if and only if  $\varphi$  does not satisfy the appropriate growth condition  $\Delta_2$ , while they do have the Radon-Nikodým property if and only if  $\varphi$  satisfies the appropriate condition  $\Delta_2$ . (Received March 11, 2017)