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David M. Bradley* (dbradley@member.ams.org), Department of Mathematics & Statistics, University of Maine, 5752 Neville Hall, Orono, ME 04469. *On generating series for certain infinite families of multiple polylogarithms.*

We consider vector spaces of functions satisfying a certain class of differential equations. Special cases include generating series for multiple polylogarithms whose argument lists form an ultimately periodic sequence. (Received February 10, 2014)