

Peter J. Larcombe and Eric J. Fennessey  
*On a Scaled Balanced-Power Product Recurrence*,  
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**Abstract**

A power product recurrence (due to M. W. Bunder) is extended here by the introduction of a scaling factor, and delivers a sequence whose general term closed form is derived for both degenerate and non-degenerate characteristic root cases. It is shown how recurrence parameter conditions dictate the nature of each solution type, and a fundamental link between them is highlighted together with some other observations and results.