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K. Das

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M. Dash and S. Pattanayak

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Nevena Pušić

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M. A. Berdikulov

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an order unit space, which may be considered as an JBW-algebra, however the multiplication in such an object is not defined. We consider a natural question of extending the notion of conditional expectations to the order unit space. We introduce the definition of conditional expectation in the spaces with an order unit and show that this definition agrees with that given for JBW-algebras. The theorem on existence of conditional expectations on generalized spin factors is proved.

**M. K. Aouf, A. O. Mostafa, A. M. Shahin and
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Naser A. Al-O'dat and Ahmad H. A. Batineh

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Bratislav D. Iričanin and Nouressadat Touafek

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$$x_{n+1} = \max \left\{ \frac{A_n}{y_n}, x_{n-1} \right\}, \quad y_{n+1} = \max \left\{ \frac{B_n}{x_n}, y_{n-1} \right\}, \quad n \in \mathbb{N}_0,$$

where $\mathbb{N}_0 = \mathbb{N} \cup \{0\}$, $(A_n)_{n \in \mathbb{N}_0}$ and $(B_n)_{n \in \mathbb{N}_0}$ are positive two-periodic sequences, and initial values $x_{-1}, x_0, y_{-1}, y_0 \in (0, +\infty)$, are eventually periodic with (not necessarily minimal) period two.