

**Title:** On a family of biquadratic fields that do not admit a unit power integral basis **Author(s):** Japhet Odjournani, Alain Togbé and Volker Ziegler

In this paper, we consider the following family of biquadratic fields:

$$\mathbb{K} = \mathbb{Q}(\sqrt{18n^2 + 17n + 4}, \sqrt{2n^2 + n}),$$

and show that provided that  $18n^2 + 17n + 4$  and  $2n^2 + n$  are both square-free, K does not admit a power integral basis consisting of units.

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