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A Condition for Univalence in the Polydisk

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Abstract. We study a sufficient condition for univalence in the polydisk in terms of the size of the norm of the Schwarzian operator. Examples show that our result is close to optimal in dimension two. This paper extends work by the second author concerning similar criteria in the ball.

Keywords. Schwarzian operator, univalence condition, polydisk, Bergman metric.

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