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Clements, M. A. (Ken)

Spatial abilities, mathematics, culture, and the Papua New Guinea experience.

Clarkson, Philip (ed.) et al., Critical issues in mathematics education. Major contributions of Alan Bishop. New York, NY: Springer (ISBN 978-0-387-09672-8/hbk). 97-106 (2008).

Summary: The author reports on some of the aspects of Alan Bishop's work during the period 1977–1980. The chapter focusses on how Bishop's developing ideas on the role of spatial abilities and visualization in school mathematics would have a large impact on how he would come to theorise the domain of “mathematical enculturation.”

Classification: A30 C60

Keywords: history of mathematics education; visualization; intercultural differences