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Potential applications of cognitive neuroscience to mathematics education.

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Summary: In this editorial, we revisit the ZDM special issue on Cognitive Neuroscience and Mathematics Learning that was published about 5 years ago by providing a snapshot of how research at the intersection of cognitive neuroscience and mathematics education is flourishing at this point in time. This is illustrated by nine empirical papers and two commentaries, the authors of which also commented on the special issue 5 years ago. In this editorial, we briefly discuss applications from neuroscience to education (in the field of mathematics learning) from a methodological and more theoretical point of view and we provide a very brief overview of the contributions in this special issue by linking them to such applications from neuroscience to education.

Classification: A60 C80

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