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Development and comparison about the proof of sphere's volume by Chinese and Japanese mathematicians.

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Summary: The proof of the sphere's volume formula has been dealt with by both Chinese and Japanese mathematicians. The method used in proofing the sphere's volume formula by Japanese mathematicians shows excellent coherence and the sphere's volume formula has been developed by several mathematicians. But some different methods are used to proof the sphere's volume formula by Chinese mathematicians.

Classification: G30 A30

Keywords: solid geometry; spheres; solids; elementary geometry; proofs; sanhoufutsudankai; Muraseyoshi-masu; choice of mathematics; innovative thinking; history of mathematics; Asia; Far East