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Razvan Gelca* (rgelca@gmail.com), Department of Mathematics, 1108 Memorial Circle Dr., Lubbock, TX 79410, and **Shamon Almeida**, Department of Mathematics and Statistics, 1108 Memorial Circle Dr., Lubbock, TX 79410. *Kauffman bracket versus Jones polynomial skein modules.*

This paper resolves the problem of comparing the skein modules defined using the skein relations discovered by P. Melvin and R. Kirby that underlie the quantum group based Reshetikhin-Turaev model for $SU(2)$ Chern-Simons theory to the Kauffman bracket skein modules. Several applications and examples are presented. (Received August 29, 2021)