

1128-55-152

Robert M Owczarek* (rowczare@unm.edu), Department of Mechanical Engineering,
Department of Mathematics, Los Alamos, NM 87544. *Are there common features for Chebyshev
polynomials, Lucas and Fibonacci polynomials, and Kauffman bracket formulation of the Jones
polynomial?*

I will discuss intriguing relationships between Chebyshev polynomials of the first and the second kind, and Lucas and Fibonacci polynomials on one side, and their relationships with the Jones polynomial for knots defined using the Kauffman bracket, and its generalization inspired by the relationships. (Received February 23, 2017)