1172-30-141        **Roger W Barnard*** (`roger.w.barnard@ttu.edu`), Texas Tech University, Lubbock, TX 79409, and **Kendall Richards**. *A direct proof of Brannan's conjecture for beta=1.*

Abstract

Recent results by R. Szasz, individually and in collaboration with E. Deniz and M. Caglar, taken together with previous foundational work by U. Jayatilake, collectively combine to provide a proof of Brannan's longstanding coefficient conjecture for the case that Beta=1. However, the resulting cumulative proof of the conjecture relies on a computer-assisted argument. In this paper, we provide a new complete direct analytic proof. (Received August 23, 2021)