Gundersen, Gary G.; Lü, Wei-Ran; Ng, Tuen-Wai; Yang, Chung-Chun
Entire solutions of differential equations that are related to trigonometric identities. (English) [Zbl 07428707]

Summary: We prove results concerning entire solutions of non-linear binomial differential equations that have connections to trigonometric identities. We also prove a double inequality for the growth of entire solutions of non-linear monomial differential equations. Some open questions are posed.

MSC:
30Dxx Entire and meromorphic functions of one complex variable, and related topics
34Mxx Ordinary differential equations in the complex domain

Keywords:
entire function; non-linear differential equation; Nevanlinna theory; monomial; binomial; meromorphic function

Full Text: DOI

References:

This reference list is based on information provided by the publisher or from digital mathematics libraries. Its items are heuristically matched to zbMATH identifiers and may contain data conversion errors. It attempts to reflect the references listed in the original paper as accurately as possible without claiming the completeness or perfect precision of the matching.