1046-34-1161   **M Affouf*** (`maffouf@kean.edu`), Math Dept, Kean University, Union, NJ 07083. *On singular solutions of Clairaut-type differential equations.* Preliminary report.

We present a characterization of the behavior of solutions of higher order ordinary differential equations of Clairaut-type and we show a gallery of numerical solutions of various Clairaut-type equations: ordinary and partial differential equations, explicit and implicit forms. We apply the duality principle of Legendre transformations to compute singular solutions of Clairaut-type differential equations. (Received September 14, 2008)