Publications of Daniel Drucker

Book


Journal Articles

16. Daniel Drucker, Reflection Properties of Curves and Surfaces, Math. Mag. 65 (1992), 147–157. (This was the featured article for the June issue.)
18. Lawrence Brenton and Daniel Drucker, On the number of solutions of
\[ \sum_{j=1}^{s} \left( \frac{1}{x_j} \right) + 1/(x_1 \cdots x_s) = 1, \] Journal of Number Theory 44 (1993), 25–29.

19. Daniel Drucker and Phil Locke, A Natural Classification of Curves and Surfaces With

20. Daniel Drucker and Stephen A. Williams, When Does Water Find the Shortest Path
(2003), 869–885. (This was the lead article in the December 2003 issue.)

**Journal Articles Submitted**

1. Daniel Drucker and Stephen A. Williams, A note on the equation \((f_x)^2 f_{xx} + 2f_xf_yf_{xy} +
(f_y)^2 f_{yy} = 0.\)

2. Daniel Drucker and Fat C. Lam, Leg-Slope Generation of Pythagorean Triples.

**Papers Published in Conference Proceedings**

1. Lawrence Brenton, Daniel Drucker, and Geert C. E. Prins, Graph theoretic techniques
in algebraic geometry I. The extended Dynkin diagram \(E^8\) and minimal singular
compactifications of \(C^2\), Proc. Conf. on Several Complex Variables, Princeton, 1979,
"Recent Developments in Several Complex Variables", edited by John E. Fornaess,

2. Lawrence Brenton, David Bindschadler, Daniel Drucker, and Geert C. E. Prins, On
global extensions of Dynkin diagrams and singular surfaces of the topological type of

3. Daniel Drucker, Maurice Lou, Semyung Wang, and Kenneth A. Kline, A comparison of
mode-acceleration and Ritz vector reduced basis procedures in transient analysis, Proc.
Seventh International Conf. on Vehicle Structural Mechanics, SAE/P-88/210 (April
1988), 195–204. Subsequently published in 1988 SAE Transactions (see "Journal
Articles Published; Refereed Journals" above).

**Other Publications**

1. Daniel Drucker, Triple Jeopardy, Mathematics Magazine 52 (1979), 59. (Comments
on the paper "Tabulating All Pythagorean Triples" by H. Klostergaard in Mathematics
Magazine 51 (1978), 226–227, including improvements of the estimates in the paper.)

2. The following articles (which included TI-59 calculator programs) appeared in PPX-59
(Texas Instruments Professional Program Exchange) during 1979–82:
   i. Prime Factors of an Integer
   ii. Fractions, Continued Fractions, and Diophantine Equations
   iii. Mantissas and Exponents
   iv. Precise DMS Operations
   v. Test Averages by Section