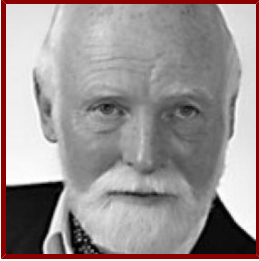


Stanford



Douglass Wilde

Professor of Mechanical Engineering, Emeritus

Bio

ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Mechanical Engineering

Teaching

COURSES

2017-18

- Teamology: Creative Teams and Individual Development: ME 18Q (Aut)

2016-17

- Teamology: Creative Teams and Individual Development: ME 18Q (Aut)

Publications

PUBLICATIONS

- **Post-Jungian Personality theory for Individuals and Teams**

Wilde, D. J.
Sydros LP.2013

- **personalities into teams** *MECHANICAL ENGINEERING*

Wilde, D.
2010; 132 (2): 22-25

- **GRAPHICAL INTERPRETATION OF THE TEAMOLOGY TRANSFORMATION** *ASME International Design Engineering Technical Conferences/Computers and Information in Engineering Conference*

Wilde, D. J.
AMER SOC MECHANICAL ENGINEERS.2010: 433-438

- **SUPERTEAMS: COMBINING TEAMS IN DIFFERENT LOCATIONS** *17th International Conference on Engineering Design*

Wilde, D.
DESIGN SOC.2009: 1-4

- **Creative and supporting cognitive modes** *ASME International Design Engineering Technical Conferences/Computers and Information in Engineering Conference*

Wilde, D. J., Kim, S.
AMER SOC MECHANICAL ENGINEERS.2008: 587-591

- **Foundations of a strong monotonicity theorem** *4th International Conference on Computer-Aided Design and Computer Graphics*

WILDE, D. J.

SPIE - INT SOC OPTICAL ENGINEERING.1996: 9-14

- **The explicit approximation method for design optimization problems with implicit constraints** *ENGINEERING OPTIMIZATION*
Hsu, Y. L., Sheppard, S. D., WILDE, D. J.
1996; 27 (1): 21-42
- **THE CURVATURE FUNCTION-METHOD FOR 2-DIMENSIONAL SHAPE OPTIMIZATION UNDER STRESS CONSTRAINTS** *COMPUTERS & STRUCTURES*
Hsu, Y. L., Sheppard, S. D., WILDE, D. J.
1995; 55 (4): 647-657
- **CONVEXITY ANALYSIS IN DETECTING A STEEL PLANT HIDDEN GLOBAL OPTIMUM** *JOURNAL OF GLOBAL OPTIMIZATION*
WILDE, D. J.
1993; 3 (2): 117-131
- **MONOTONICITY ANALYSIS OF TAGUCHI ROBUST CIRCUIT-DESIGN PROBLEM** *JOURNAL OF MECHANICAL DESIGN*
WILDE, D. J.
1992; 114 (4): 616-619
- **A CONVERGENT CONVEX DECOMPOSITION OF POLYHEDRAL OBJECTS** *JOURNAL OF MECHANICAL DESIGN*
Kim, Y. S., WILDE, D. J.
1992; 114 (3): 468-476
- **A CONVEX DECOMPOSITION USING CONVEX HULLS AND LOCAL CAUSE OF ITS NONCONVERGENCE** *JOURNAL OF MECHANICAL DESIGN*
Kim, Y. S., WILDE, D. J.
1992; 114 (3): 459-467
- **CONSTRUCTIVE SOLID GEOMETRY OF THE TRIHEDRON** *JOURNAL OF MECHANISMS TRANSMISSIONS AND AUTOMATION IN DESIGN-TRANSACTIONS OF THE ASME*
WILDE, D. J.
1989; 111 (4): 590-596
- **2 GENERALIZATIONS OF THE ISOMETRIC PROJECTION IN GEOMETRIC DESIGN** *JOURNAL OF MECHANISMS TRANSMISSIONS AND AUTOMATION IN DESIGN-TRANSACTIONS OF THE ASME*
WILDE, D. J.
1989; 111 (1): 81-86
- **A MAXIMAL ACTIVITY PRINCIPLE FOR ELIMINATING OVER-CONSTRAINED OPTIMIZATION CASES** *JOURNAL OF MECHANISMS TRANSMISSIONS AND AUTOMATION IN DESIGN-TRANSACTIONS OF THE ASME*
WILDE, D. J.
1986; 108 (3): 312-314
- **RESIZING - PREDICTING A NEW GEOMETRIC-PROGRAMMING OPTIMUM AS COEFFICIENTS VARY** *JOURNAL OF MECHANISMS TRANSMISSIONS AND AUTOMATION IN DESIGN-TRANSACTIONS OF THE ASME*
WILDE, D. J.
1984; 106 (1): 11-16
- **DEGENERACY, SINGULARITY, AND MULTIPLICITY IN LEAST-SQUARES DESIGN OF A FUNCTION-GENERATING MECHANISM** *JOURNAL OF MECHANISMS TRANSMISSIONS AND AUTOMATION IN DESIGN-TRANSACTIONS OF THE ASME*
WILDE, D. J.
1983; 105 (1): 104-107
- **ERROR LINEARIZATION IN THE LEAST-SQUARES DESIGN OF FUNCTION GENERATING MECHANISMS** *JOURNAL OF MECHANICAL DESIGN-TRANSACTIONS OF THE ASME*
WILDE, D. J.
1982; 104 (4): 881-884
- **OPTIMAL AREA ALLOCATION IN MULTISTAGE HEAT-EXCHANGER SYSTEMS** *JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME*
AITALI, M. A., WILDE, D. J.

-
- 1980; 102 (2): 199-201
- **REGIONAL MONOTONICITY IN OPTIMUM DESIGN** *JOURNAL OF MECHANICAL DESIGN-TRANSACTIONS OF THE ASME*
Papalambros, P., WILDE, D. J.
1980; 102 (3): 497-500
 - **A SUFFICIENT TEST FOR GLOBAL OPTIMALITY WITH SIGNOMIAL DESIGN APPLICATIONS** *JOURNAL OF MECHANICAL DESIGN-TRANSACTIONS OF THE ASME*
McNeill, B., Wilde, D.
1980; 102 (3): 501-505
 - **ECONOMIC DESIGN OF A PIPELINE WITH DISCHARGE RESERVOIR** *ENGINEERING OPTIMIZATION*
Wilde, D., McNeill, B.
1979; 4 (1): 1-8
 - **GLOBAL NON-ITERATIVE DESIGN OPTIMIZATION USING MONOTONICITY ANALYSIS** *JOURNAL OF MECHANICAL DESIGN-TRANSACTIONS OF THE ASME*
Papalambros, P., WILDE, D. J.
1979; 101 (4): 645-649
 - **SIGNOMIAL DUAL KUHN-TUCKER INTERVALS** *JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS*
MANCINI, L. J., WILDE, D. J.
1979; 28 (1): 11-27
 - **INTERVAL ARITHMETIC IN UNIDIMENSIONAL SIGNOMIAL PROGRAMMING** *JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS*
MANCINI, L. J., WILDE, D. J.
1978; 26 (2): 277-289
 - **TRANSCENDENTAL GEOMETRIC PROGRAMS** *JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS*
Lidor, G., WILDE, D. J.
1978; 26 (1): 77-96
 - **ASYMMETRIC MINIMIZATION WITH A CONVEX 4TH DEGREE APPROXIMATION** *INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE*
VANREMORTEL, J., WILDE, D. J.
1976; 7 (1): 39-64
 - **GLOBAL MINIMIZATION OF A COOLED REACTOR BY USING A POSYNOMIAL LOWER BOUNDING FUNCTION** *AICHE JOURNAL*
WILDE, D. J.
1976; 22 (4): 685-691
 - **MINIMUM EXPONENTIAL COST ALLOCATION OF SURE-FIT TOLERANCES** *JOURNAL OF ENGINEERING FOR INDUSTRY-TRANSACTIONS OF THE ASME*
Wilde, D., Prentice, E.
1975; 97 (4): 1395-1398
 - **MONOTONICITY AND DOMINANCE IN OPTIMAL HYDRAULIC CYLINDER DESIGN** *JOURNAL OF ENGINEERING FOR INDUSTRY-TRANSACTIONS OF THE ASME*
Wilde, D.
1975; 97 (4): 1390-1394
 - **MINIMUM COST DESIGN OF A MULTIMODAL FLUIDIZED REACTOR-HEATER SYSTEM INVOLVING AN EXPONENTIAL FUNCTION INSIDE AN INTEGRAL-EQUATION** *AICHE JOURNAL*
WILDE, D. J.
1974; 20 (5): 996-1002
 - **A Minimax Search Plan for Constrained Optimization Problems** *JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS*
BEAMER, J. H., WILDE, D. J.
1973; 12 (5): 439-446
 - **MINIMAX OPTIMIZATION OF UNIMODAL FUNCTIONS BY VARIABLE BLOCK SEARCH** *MANAGEMENT SCIENCE SERIES A-THEORY*
BEAMER, J. H., WILDE, D. J.

1970; 16 (9): 529-541

- **TIME DELAY IN MINIMAX OPTIMIZATION OF UNIMODAL FUNCTIONS OF ONE VARIABLE** *MANAGEMENT SCIENCE SERIES A-THEORY*
BEAMER, J. H., WILDE, D. J.
1969; 15 (9): 528-538
- **GOLDEN BLOCK SEARCH FOR THE MAXIMUM OF UNIMODAL FUNCTIONS** *MANAGEMENT SCIENCE*
Avriel, M., WILDE, D. J.
1968; 14 (5): 307-319