Some Streams of Systemic Thought

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KEY:

white	general systems
red	cybernetics
black	physical sciences
blue	mathematics
magenta	computers & informatics
green	biology & medicine
yellow	symbolic systems
orange	social systems
olive	ecology
gray	philosophy
cyan	systems analysis
purple	engineering

International Encyclopedia of Systems & Cybernetics
Charles François
1997

General Systems

Modern Theoretical Physics

Classical Physics

Mathematical Mechanics

Mathematical Physics

Mathematics

Operations Research

First Order Cybernetics

Relativism

Postmodernism

Pluralism & Unified Opposites
Heraclitus
c. 540-480 B.C.

Rational Philosophy
Aristotle
384-322BC

Idealistic Philosophy
Plato

Mathematical Philosophy
Pythagoras
c.580-500BC

Atomism
Democritus

Sophists
Protagoras

Sophist Philosophy
Socrates

Democratic Development
Pericles

Democracy
Christiness

Low
Solon

Politics of Benefit
Cicero

Politics of Cynicism
Niccolo Machiavelli

Democratic Idealism
Thomas Jefferson

Political Economy
Adam Smith

Political Progression
John Locke

Political Romanticism
J.J. Rousseau

Political Hegemony
Frederick the Great

Conservative Theory
Gordon Pask

Perceptual Control Theory
William T. Powers

Control System Engineering

Cybernetics
Norbert Wiener

Second Order Cybernetics
Heinz von Foerster

Living Systems
James Grier Miller

Viable Systems
Stafford Beer

Systems Cybernetics
W. Ross Ashby

Linkage Propositions
Len Troncale

Control Theory

Interpersonal Psychology
R.D. Laing

Purposeful Systems
Russell L. Ackoff

Modeling
J.L. le Moigne

Operating Systems
Irene Churchman

Philosophy of Systems
Archie Bahm

Holographic Systems
Karl Pribram

Relativity of Rationalities
Feyerabend

Social Cybernetics
Geoffrey Vickers

Philosophy of Law
Hans Kelsen

Objectivism
Ayn Rand

Philosophy of Science
Thomas Cowan

Clinical Psychology

Ecodynamics
Kenneth Boulding

Ecology

Ecosystems
Michel Foucault

Ecometrics

Econometrics

Economics
Paul Samuelson

Cognitive Psychology
Aaron Beck

Psycho-Metrics

Psycho-Biology

Psycho-Physics

Techno-Psychology

Group Dynamics

Developmental Psychology

Bifurcated Cultures
C.P. Snow

Social Psychology
Kurt Lewin

Social Psychology
Abraham Maslow

Social Psychology
Willis F. Overton

Social Ecology
Eric Trist, Fred Emery

Psychologism
Edmund Husserl

Psychologism
Sigmund Freud

Psychologism
Josef Breuer

Psychologism
Wilhelm Wundt

Psychological Modeling
Clark Hull

Psychological Progression
William James

Psychology
Carl Jung

Psychology
Ernst Mach

Psychology
Max Wertheimer

Psychology
Wolfgang Köhler

Psychology
Franz Brentano

Psychology
Edward Titchener

Psychology
Karl Bühler

Psychology
Rudolf Carnap

Psychology
Ernst Cassirer

Psychology
Ernst Haeckel

Psychology
Ernst Weber

Psychology
Hermann Ebbinghaus

Psychology
Hermann Lotze

Psychology
Hermann Rorschach

Psychology
Hugo Münsterberg

Psychology
Ivan Pavlov

Psychology
Jean Piaget

Psychology
Johann Herbart

Psychology
Max Scheler

Psychology
Oswald Külpe

Psychology
Rudolf Arnheim

Psychology
Stanley Hall

Psychology
Theodor Lipps

Psychology
Wilhelm Dilthey

Psychology
William Stern

Psychology
Wolfgang Metzger

Psychology
Wolfgang Pauli

Psychology
Wolfgang Prinz

Psychology
Wolfgang Wundt

Psychology
Zellig Harris

Psychology
*Zygmunt Bauman