

words and phrases useful for adjustment

mathematical model
functional model
stochastic model
redundancy
over determined
under determined
rank
full rank
rank deficient
observation
residual
least squares
weighted least squares
indirect observations
observations only
general least squares
mixed model
unified least squares
linear
nonlinear
iteration
convergence
divergence
observation
residual
measurement
weight
variance
covariance
covariance matrix
weight matrix
standard deviation
maximum likelihood
design matrix
normal equations
transpose
inverse
eigenvalue
eigenvector
positive definite
positive semi-definite
eigenvalue decomposition
singular value decomposition
singular
nonsingular
random error
systematic error
gross error
blunder
estimation
estimate
inference

error propagation
parameter
reference variance
variance of unit weight
a priori
a posteriori
probability density function
discrete
continuous
normal distribution
multivariate normal distribution
chi squared distribution
t distribution
F distribution
confidence interval
confidence region
confidence volume
confidence hypervolume
redundancy number
condition equation
observation equation
constraint equation
minimal constraint
inner constraint
sequential estimation
global test
objective function
lagrange multiplier
condition number
ill conditioned
histogram
sample
population
mean
euler angle
sequential rotation
quaternion
orthogonal
rotation matrix
orthogonal matrix
over parameterized
under parameterized
equality constraint
inequality constraint
vector norm
matrix norm
L1 norm
L2 norm
bilinear form
quadratic form