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**Linear-quadratic estimators in a special structure of the linear model.** (English)

Zbl 0832.62050

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Summary: The paper deals with the linear model with uncorrelated observations. The dispersions of the values observed are linear-quadratic functions of the unknown parameters of the mean (measurements by devices of a given class of precision). Investigated are the locally best linear-quadratic unbiased estimators as improvements of locally best linear unbiased estimators in the case that the design matrix has none, one or two linearly dependent rows.

**MSC:**

[62H12](#) Estimation in multivariate analysis  
[62J99](#) Linear inference, regression  
[62F10](#) Point estimation  
[62F99](#) Parametric inference

Cited in **2** Documents

**Keywords:**

variances depending on the mean value parameters; linear model; uncorrelated observations; locally best linear-quadratic unbiased estimators; locally best linear unbiased estimators

**Full Text:** [EuDML](#)

**References:**

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