# A - optimal spring balance weighing design under some condition

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#### Abstract

In the paper, some investigation of the A-optimal spring balance weighing design under the assumption that the errors have different variances are dealt with. Its topic is concerned with the determining of the lower bound of the tr  $\left(\mathbf{X}'\mathbf{G}^{-1}\mathbf{X}\right)^{-1}$ . Moreover, the new construction method of the optimal design is presented.

### Keywords

A-optimal design, Balanced incomplete block design, Spring balance weighing design.

# References

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