NAME

　eqdisp − test for equality of dispersion matrices

SYNOPSIS

　eqdisp [−**s** *signif*] [−**a** | −**b**] [−**v**] < incov 2> ASCII-text

DESCRIPTION

　eqdisp reads dispersion matrices as written by *disc* or *maf* and performs a Wishart distribution based test for equality of dispersion matrices for all class pairs or if −**a** is specified for all classes simultaneously. The output consists of ASCII text on (pairwise) comparisons written to *stderr*. Nothing is written to *stdout*. Low values of ln(Q) rejects the hypothesis of equality of dispersion matrices.

OPTIONS

　−**s** *signif*

　　　signif is the significance level, defaults to 0.95

　−**a**　　compare all classes simultaneously rather than all class pairs

　−**b**　　use Bonferroni method for multiple comparisons

　−**v**　　verbose output to *stderr* on all class pairs

SEE ALSO

　disc(1), maf(1), eqmeandisp(1), wishart(1)

REFERENCES

　T.W. Anderson (1984). *An Introduction to Multivariate Statistical Analysis.* Second Edition. John Wiley.

　J.A. Rice (1995). *Mathematical Statistics and Data Analysis.* Second Edition. Duxbury Press.

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