NAME

chi2 − read chi square test statistic and output significance level

SYNOPSIS

chi2 [**−n** *df*] [**−l**] [<] inseq > outseq

DESCRIPTION

For each input pixel containing a χ^2 test statistic *chi2* calculates the corresponding significance level given the number of degrees of freedom, *df*. The number of degrees of freedom can be given via the float extended header parameter *degrees_of_freedom*. If this parameter is absent **−n** is not optional. If it is present, *df* is overwritten if **−n** is specified.

The input must be float, the ouput is float as well.

OPTIONS

−n *df* *df* is the number of degrees of freedom

−l output probability of finding a smaller value of χ^2 rather than the default probability of finding a greater or equal value of χ^2

SEE ALSO

disc(1)

REFERENCES

W.H. Press, S.A. Teukolsky, W.T. Vetterling and B.P. Flannery (1992). *Numerical Recipes in C: The Art* Second Edition. Cambridge University Press.

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