
Subject: how read a file of complex?

Posted by [Ferdinando lavarone](#) on Fri, 02 Jan 1998 08:00:00 GMT

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Hi all,
HAPPY NEW YEAR.

I have a data-file containing a matrix. Each element of matrix has the form
(real part, imaginary part)[1] with each one LONG.

- 1) How create a matrix with structure [1] to read in a single pass the file?
- 2) I tried with a pro of type reported below (probably very slow for giant matrix), but after execution IDL results blocked

(I work with IDL 5.0 /windows 95)
Thank

```
pro prova,n,m,nomefile,immagine
  tmp1=0l
  tmp2=0l
  re=lonarr(n,m)
  im=lonarr(n,m)
  openr,1,nomefile
  for i=0,n-1 do begin
    for j=0,m-1 do begin
      readu,1,tmp1,tmp2
      re(i,j)=tmp1
      im(i,j)=tmp2
    endfor
  endfor

  imagine=complex(re,im)
  close,/all
end
```

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Nando lavarone

Laureando Gruppo Telerilevamento

Dipartimento Interateneo di Fisica
Via Amendola, 173

70126 BARI
ITALY

Tel.: +39 80 5443166
Fax.: +39 80 5443165

e_mail: iavarone@axpba0.ba.infn.it
