

```

c +-----+
c + subroutine : gaussian filter +
c +-----+
  subroutine GF(idim,jdim,a,b,igcut,jgcut,g)

  implicit none
  integer idim,jdim,igcut,jgcut
  real a(idim,jdim),b(idim,jdim),
  + g(-igcut:igcut,-jgcut:jgcut)

  integer i,j,ig,jg

  do i=1,idim
  do j=1,jdim
b(i,j) = 0.
  enddo
  enddo
  do ig=-igcut,igcut
  do jg=-jgcut,jgcut
    do i=1,idim
    do j=1,jdim
      if(i+ig.ge.1 .and. i+ig.le.idim .and.
1        j+jg.ge.1 .and. j+jg.le.jdim)
2        b(i,j) = b(i,j) + g(ig,jg)*a(i+ig,j+jg)
    enddo
  enddo
  enddo
  enddo
end

```