

```

!$OMP PARALLEL DO &
!$OMP DEFAULT(SHARED) PRIVATE(n,nod,j) &
!$OMP REDUCTION(+:pkapki)
do m=nogauss+1,nogauss+nocg
  nod=noel(n)
  apk(nod)=a11(nod)*pk(nod)
  do j=1,row(nod)/k1
    apk(nod)=apk(nod)+a1j(row(nod)/ka(j))*pk(row(nod)/kj(j))
  enddo
  pkapki=pkapki+pk(nod)*apk(nod)
enddo
!$OMP END PARALLEL DO
alfak=rkzki/pkapki

!$OMP PARALLEL DO &
!$OMP PRIVATE(n,nod) &
!$OMP SCHEDULE(static) &
!$OMP SHARED(nogauss,nocg,noel,s1,rk,alfak,pk)
do m=nogauss+1,nogauss+nocg
  nod=noel(n)
  s1(nod)=s1(nod)+alfak*pk(nod)
  rk(nod)=rk(nod)+alfak*apk(nod)
enddo
!$OMP END PARALLEL DO

eps=0.000
if (ipres=1.and.noiter<100) then
!$OMP PARALLEL DO &
!$OMP DEFAULT(SHARED) PRIVATE(n,nod) &
!$OMP REDUCTION(MAX:eps)
do m=nogauss+1,nogauss+nocg
  nod=noel(n)
  zk(nod)=rk(nod)/a11(nod)

```

