

subroutine shg_kh(shg, hk)

! **利用牛頓近似法，已知 $\sigma^2 h/g$ 從分散關係式求 kh**

```
IF(SHG=10.) 2, 2, 1
1 XY=SHG
GO TO 6
2 IF(SHG=1.0) 3, 4, 4
3 X=SQRT(SHG)
GO TO 5
4 X=SHG
5 COTHX=1./TANH(X)
XY=X-(X-SHG*COTHX)/(1.+SHG*(COTHX**2-1.))
E=1.-XY/X
X=XY
IF(ABS(E)-0.0005)6, 5, 5
6 hk=XY
RETURN
END
```



載滿珠寶的駱駝

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