```
3-15
     图拉二种与三种重金、圆拉无限长为200元。10元
  ②X20和为意味等的,例外的后度的较
           f(\phi) = f(\phi \pm 2nz) = h^2 > 0
E_0 \rightarrow 0
F(\phi) = f(\phi \pm 2nz) = h^2 > 0
              9 = = (Anosno + Bn sin no) (Gp + Pn pm) -- 0
              P>一时 O式是$ O式统一
              :. Bn = 0 , Cn = 0 (n = 1)
            \mathcal{L} = -E_{\rho} \cos \phi + \frac{2}{2} A_{n} \int_{-\infty}^{\infty} \cos n\phi
\mathcal{L} = -E_{\rho} \cos \phi + \frac{2}{2} A_{n} a^{n} \cos n\phi = 0
                       : A = E a , A = (n +1)
                           \varphi = -E_0 \rho c s \phi + E_0 a^2 \rho^2 c s \phi
        子体表面発送地方 (s = & Ep = & (-マタ)p = & (-34) = 2 & Z. cos p
5-17.3-18.
            P= = (Ancornot + By Sinho) (Coph+Dy ph)
          根据边界种具有及对护性》在中,产品外外有路值》及一
3-14. 3-16.
      取无穷远处为霍电势
     对打轴对视,心包括极种在内心球面边险门数
     电往 4 二通问的 (1,0) = 三人 1,7 (600)+ 5 8, 1-(1+1) (1650) ]
        r=0处地位表为有股级为介===和1°原(050)
        Y > wood + (2 % 0 = 1/2 = = Bn + -(n+1) P. (650)
   (2) \quad \lambda = \alpha \text{ of } 2 \text{

\sum_{n=0}^{\infty} A_n a^n P_n(o,0) = \sum_{n=0}^{\infty} B_n \bar{a}^{(n+1)} P_n(o,0) = \sum_{n=0}^{\infty} B_n = A_n \cdot a^{2n+1}

\mathcal{E}_0 \left[ \sum_{n=0}^{\infty} n A_n a^{n-1} P_n(o,0) + \sum_{n=0}^{\infty} (n+1) B_n \bar{a}^{(n+2)} P_n(o,0) \right] = P_0 \cdot cos \theta
```

