



Expand h(3) in 3 Paylo series: (h(3) = Zam 3 h ( = ) = 2 am m gm-1 h"/s) = \( \tau \) \( m \) \( m - 1 \) \( \tau \) \( \t = Z amtz (m+1) (m+z) 3 m m = 1+2M-1 -1+1 \[ \langle \la  $\sum \left[ a_{m+2} \left( m+1 \right) \left( m+2 \right) + \left( x-1-2m \right) a_{m} \right]^{3m} = 0$ am+z (m+1) (m+z) + (k-1-zm) = 0  $A_{m+2} = -\frac{(k-1-2m)}{(m+1)(m+2)}A_m$ Recursion Note: for a. = 0 a, + 0 => all m = odd 50/115 a + 0 4=0 => all m: even s.lns We have to check whether the socies converges.