First few terms:

$$\frac{4U}{U} \left\{ \frac{p^{2} \sin \left[2\theta\right]}{5} + \left(\frac{p}{6}\right)^{6} \frac{\sin \left[6\theta\right]}{3} + \left(\frac{p}{6}\right)^{6} \frac{\sin \left[\cos \theta\right]}{5} + \left(\frac{$$

$$= \frac{2V}{\sqrt{1}} \left(\frac{p}{b} \right)^{2} \frac{2 \sin[2\phi]}{1} + \left(\frac{p}{b} \right)^{6} \frac{2 \sin[6\phi]}{3} + \left(\frac{p}{b} \right)^{10} \frac{2 \sin[10\phi]}{5} + \cdots \right)$$

1. for sometime - 4/48/2= (444)-8- - 4/4-6)

(4 d 1 1 = (4 - (4 8) 4 x

Graff To Jo Strong to Heat

the Kallman with magnetined that the traplet me content.

We are retending that has extend to localized date burners

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\sin^3 2d = \frac{3}{4} \sin(2\phi) - \frac{1}{4} \sin(6\phi) Jackson 2.19(6)
(Scratch)
Sm5(24) = 1 1 [iloq - 5e + 10e - 10e + 5e - e
Sin (20)= (sin(20)
 Sin3 (24) = - 4 [ Sin (64) - 3 Sin (24)]
Sin5 (24) = 16 [ Sin(w 4) -5 sin(64) + 10 sin(24)]
       The coefficients are clearly pascal triangle (half), nith alternating sign
              13 3 1
14 6 4 1
[25in(24)]3 = -2[sin(64) -3sin(24)]
[25in(24)] = 2 [sin(109) - 5sin(64)+10sin(24)]
[25in(24)] = -2 [sin(144)-7sin(104)+2|sin(64)
                                         -35 sin(24)
```

Jackson 2.19 (b) (scratch) [25ih(24)] - 1 [25ih(24)] + 1 [2sih(24)] - 1 [2sih(24)] $2\sin(2\phi) + 2\sin(6\phi) - 2\sin(2\phi) + 2\sin(10\phi) - \frac{1}{3}$ = (25Th(24)-2 sin(24) + 2 sin(64) terms re 2 sin(10¢) +(4 sin(24) - 2 sin(64) -\$105in(24) + 65in(64) - 25in(104) + 2 sincl4 \$) B= WOTH + WY W 2 Sin(24) $-2 \sin(24) + 2 \frac{\sin(24)}{3}$ $+(2)(2 \sin(24)) - 2 \sin(64) + 2 \sin(104)$ -(5)(2) sin(20) + (3) 2 sin(60) - 2 sin(100) + 2 sin(140)

mingate tield B of often by children

I'M CHERGY ST A DEPARTMENT ENGINEERS MORRET LANGE

5 = 2 - 1 -

1 34 F. 2 (P)