Reduction formula

[7] Simodo = [7] modo =

[7] Cos odo =

[7] modo = [7] modo =

[8] modo = [7] modo =

[9] modo =

[9] modo = [7] modo =

[9] modo =

2d n is even 4 m is even  $\int_{0}^{\infty} \sin^{2} x \cos^{2} x dx = \frac{n-1}{m+n} \frac{n-3}{m+n-2} \frac{n-5}{m+n-4}$ 9 DJ nis odd 4 mie any pownie Tinteger (even) or odd) Hen  $\int_{0}^{\sqrt{2}} 8n^{m} n \cos^{n} n dn - \frac{n-1}{m+n} \frac{n-3}{m+n-4} \frac{n-5}{m+n-4}$ If one of m & n is odd then it is convenient to get the power of Cosn as odd. For instance of mis

odd of n is even then

In man cos man of the seven then

I man cos man of the seven the s