Scribe · E {x3= S N(x1u, r2) x dx = u [1] E[X]= [N(X/N'L) X, 9x=n, te, [5] Ver { X} = [3] = 2 STEL EXD(-1x-Mz) X9X = 1 [exp(-1x-ul) x dx Perra haller facilmente el Valor esperado y la Varrenta Se Va a Calcular Con la función generadora de momentos mx (t)= exp[ut + [+t] -> E(x)= [x (fx) dx mx (t) = 1 5 exp[(x) - 1x-u)2) dx = \sim \(\int \) \(\texp[-(x-u-\text{02}t^2) \rightarrow \text{12} \rightarrow \text{1 = 1 exp[ut + []] exp[-(x-[u+[])] dx = exp[ut + Tr] Por Consiguients: EEX3=[U+TIE] exp[ut + TII] = = [1] E {x2} = (52 + [4+52+]2) exp[4+ + 12+2] = [2+42] [2] Ver (X)=T2 Luego