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Normal Probability Integral and Derivatives

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Bivariate Normal Probability Integral

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Chi-Square, Non-Central Chi-Square, Probability Integral, Incomplete Gamma Function, Poisson Distribution

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[26.26] Table IV of [26.7]. Tabulates values of χ^2 for $Q(\chi^2|\nu)=.001, .01, .02, .05, .1, .2, .3, .5, .7, .8, .9, .95, .98, .99$ and $\nu=1(1)30$, 3D or 3S.

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[26.32] E. E. Sluckii, Tablitsy dlya vyčioleniya nepolnoĭ Γ-funktsii i funktsii veroyatnosti χ^2. (Izdat. Akad. Nauk SSSR, Moscow-Leningrad, U.S.S.R., 1950). $\Gamma(\chi^2,\nu)=\left(\frac{1}{2}\chi^2\right)^{-\nu/2} P(\chi^2|\nu)$, $\mathscr{P}(t,\nu)=Q(\chi^2|\nu)$, $\Pi(t, x)=Q(\chi^2|\nu)$ where $t=(2\chi^2)^{\frac{1}{2}}-(2\nu)^{\frac{1}{2}}$, $x=(\nu/2)^{-\frac{1}{2}}$. $\Gamma(\chi^2,\nu)$, $\chi^2=0(.05)2(.1)10$, $\nu=0(.05)2(.1)6$; $Q(\chi^2|\nu)$, $\chi^2=0(.1)3.2$, $\nu=0(.05)2(.1)6$; $\chi^2=3.2(.2)7(.5)10(1)35$, $\nu=0(.1).4(.2)6$; $\mathscr{P}(t,\nu)$, $t=-4(.1)4.8$, $\nu=6(.5)11(1)32$; $\Pi(t,x)$: $t=-4.5(.1)4.8$, $x=0(.02).22(.01).25$, 5D.