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( z )$$为随机变量Z=XY的分布函数,则函数$$F \_ { 乙 } \\\\left( z \\\\right)$$的间断点个数为( )(A)0. 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,$$则E(T)=\_\_\_\_","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":776,"y":1422},{"x":882,"y":1422},{"x":882,"y":1460},{"x":776,"y":1460}]],"pos\_list":[[{"x":63,"y":1352},{"x":1579,"y":1352},{"x":1579,"y":1467},{"x":63,"y":1467}]],"element\_list":[{"type":0,"text":"(14)设$$X \_ { 1 } , X \_ { 2 } , \\\\cdots , X \_ { m }$$为来自二项分布总体B(n,p)的简单随机样本,$$\\\\overline { X }$$和$$S ^ { 2 }$$分别为样本均值和样本方差.记统计量$$T = \\\\overline { X } - S ^ { 2 } ,$$则E(T)=\_\_\_\_","pos\_list":[[{"x":79,"y":1357},{"x":1572,"y":1350},{"x":1572,"y":1457},{"x":80,"y":1464}]],"content\_list":[{"type":1,"prob":99,"string":"(14)设","option":"","pos":[{"x":79,"y":1362},{"x":211,"y":1361},{"x":211,"y":1394},{"x":79,"y":1395}]},{"type":2,"prob":99,"string":"$$X \_ { 1 } , X \_ { 2 } , \\\\cdots , X \_ { m 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\\\\left( x - y \\\\right) d x d y , }$$,其中D$$D = \\\\left\\\\{ \\\\left( x , y \\\\right) | \\\\left( x - 1 \\\\right) ^ { 2 } + \\\\left( y - 1 \\\\right) ^ { 2 } \\\\le 2 , y \\\\ge x \\\\right\\\\} .$$(18)(本题满分11分)(I)证明拉格朗日中值定理:若函数f(x)在[a,b]上连续,在(a,b)内可导,则存在ξ∈(a,b),使得f(b)-f(a)=f\'(ξ)(b-a)(Ⅱ)证明:若函数f(x)在x=0处连续,在(0,8)(8>0)内可导,且$$\\\\lim \_ { x \\\\to 0 } { f \' \\\\left( x \\\\right) = A ,$$则f(0)存在,且f\'(0)=A.","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":0,"y":1553},{"x":1654,"y":1553},{"x":1654,"y":2339},{"x":0,"y":2339}]],"pos\_list":[[{"x":58,"y":1553},{"x":1567,"y":1553},{"x":1567,"y":2262},{"x":58,"y":2262}]],"element\_list":[{"type":0,"text":"(15)(本题满分9分)","pos\_list":[[{"x":78,"y":1579},{"x":415,"y":1578},{"x":415,"y":1609},{"x":78,"y":1610}]],"content\_list":[{"type":1,"prob":99,"string":"(15)(本题满分9分)","option":"","pos":[{"x":78,"y":1579},{"x":415,"y":1578},{"x":415,"y":1609},{"x":78,"y":1610}]}]},{"type":0,"text":"求二元函数$$f \\\\left( x , y \\\\right) = x ^ { 2 } 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\_ { x \\\\to 0 } { f \' \\\\left( x \\\\right) = A ,$$则f(0)存在,且f\'(0)=A.","pos\_list":[[{"x":163,"y":2140},{"x":1566,"y":2135},{"x":1567,"y":2237},{"x":164,"y":2242}]],"content\_list":[{"type":1,"prob":99,"string":"(Ⅱ)证明:若函数f(x)在","option":"","pos":[{"x":174,"y":2148},{"x":573,"y":2146},{"x":573,"y":2189},{"x":175,"y":2190}]},{"type":1,"prob":99,"string":"x=0","option":"","pos":[{"x":573,"y":2142},{"x":652,"y":2142},{"x":652,"y":2177},{"x":573,"y":2178}]},{"type":1,"prob":99,"string":"处连续,在","option":"","pos":[{"x":652,"y":2146},{"x":823,"y":2145},{"x":823,"y":2188},{"x":652,"y":2188}]},{"type":1,"prob":99,"string":"(0,8)(8>0)","option":"","pos":[{"x":823,"y":2140},{"x":1042,"y":2140},{"x":1042,"y":2182},{"x":823,"y":2182}]},{"type":1,"prob":99,"string":"内可导,且","option":"","pos":[{"x":1042,"y":2144},{"x":1213,"y":2144},{"x":1213,"y":2186},{"x":1042,"y":2187}]},{"type":2,"prob":86,"string":"$$\\\\lim \_ { x \\\\to 0 } { f \' \\\\left( x \\\\right) = A ,$$","option":"","pos":[{"x":1212,"y":2138},{"x":1432,"y":2135},{"x":1433,"y":2195},{"x":1213,"y":2198}]},{"type":1,"prob":99,"string":"则f(0)","option":"","pos":[{"x":1432,"y":2143},{"x":1567,"y":2143},{"x":1567,"y":2185},{"x":1432,"y":2186}]},{"type":1,"prob":98,"string":"存在,且f\'(0)=A.","option":"","pos":[{"x":164,"y":2209},{"x":458,"y":2209},{"x":458,"y":2241},{"x":164,"y":2241}]}]}]}]}],"prism\_version":"1.0.9","prism\_wnum":0,"width":1654}', 'RequestId': '3CC33EB9-4A19-5695-90D5-CE65E5CB8D01'}}