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{ 2 } ; \\\\sigma \_ { 1 } ^ { 2 } , \\\\sigma \_ { 2 } ^ { 2 } ; \\\\rho \\\\right)$$的简单随机样本,0=μ$$\\\\theta = \\\\mu \_ { 1 } - \\\\mu \_ { 2 } \\\\overrightarrow { X } = \\\\frac { 1 } { n } \\\\sum \_ { i = 1 } ^ { n } X \_ { i } , \\\\overline { Y } = \\\\frac { 1 } { n } \\\\sum \_ { i = 1 } ^ { n } Y \_ { i } ; i = \\\\overline { X } - \\\\overline { X } - \\\\overline { Y } ,$$y,=X-Y,则( ).(A)θ是θ的无偏估计,D($$D \\\\left( \\\\hat { \\\\theta } \\\\right) = \\\\frac { a \_ { 1 } ^ { 2 } + a \_ { 2 } ^ { 2 } } { n }$$(B)θ不是θ的无偏估计,D((C)θ是θ $$D \\\\left( \\\\hat { \\\\theta } \\\\right) = \\\\frac { a \_ { 1 } ^ { 2 } + a \_ { 2 } ^ { 2 } - 2 p \_ { 1 } ^ { 2 } a \_ { 2 } } { n }$$的无偏估计,D(D)θ不是θ的无偏估计,D($$D \\\\left( \\\\overrightarrow { \\\\theta } \\\\right) = \\\\frac { \\\\sigma \_ { 1 } ^ { 2 } + \\\\theta \_ { 2 } ^ { 2 } - 2 \\\\rho \\\\theta \_ { 1 } \\\\theta \_ { 2 } } { n 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= \\\\frac { \\\\sigma \_ { 1 } ^ { 2 } + \\\\theta \_ { 2 } ^ { 2 } - 2 \\\\rho \\\\theta \_ { 1 } \\\\theta \_ { 2 } } { n }$$","pos\_list":[[{"x":575,"y":1144},{"x":958,"y":1142},{"x":958,"y":1220},{"x":575,"y":1222}]],"content\_list":[{"type":2,"prob":93,"string":"$$D \\\\left( \\\\overrightarrow { \\\\theta } \\\\right) = \\\\frac { \\\\sigma \_ { 1 } ^ { 2 } + \\\\theta \_ { 2 } ^ { 2 } - 2 \\\\rho \\\\theta \_ { 1 } \\\\theta \_ { 2 } } { n }$$","option":"","pos":[{"x":575,"y":1144},{"x":958,"y":1142},{"x":958,"y":1220},{"x":575,"y":1222}]}]}]},{"index":3,"type":0,"num\_choices":0,"prob":0,"text":"\\\\left.{10} )设$$X \_ { 1 } , X \_ { 2 } , \\\\cdots , X \_ { 1 6 }$$是来自总体N(\\\\mu,4)的简单随机样本,考虑假设检验问题:$$H \_ { 0 } : \\\\mu \\\\le 1 0 ,$$$$H \_ { 1 } : \\\\mu > 1 0 , \\\\varphi \\\\left( x \\\\right)$$表示标准正态分布函数,若该检验问题的拒绝域为W={X≥11},其中$$\\\\overline { X } = \\\\frac { 1 } { 1 6 } \\\\sum \_ { i = 1 } ^ { 1 6 } X \_ { i } ,$$X,,则\\\\mu=11.5时,该检验犯第二类错误的概率为( ).(A)1-φ(0.5) (B)1-φ(1)(C)1-φ(1.5) (D)1一 (2)","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":1167,"y":1384},{"x":1263,"y":1384},{"x":1263,"y":1413},{"x":1167,"y":1413}]],"pos\_list":[[{"x":149,"y":1223},{"x":1522,"y":1224},{"x":1522,"y":1542},{"x":149,"y":1542}]],"element\_list":[{"type":0,"text":"\\\\left.{10} )设$$X \_ { 1 } , X \_ { 2 } , \\\\cdots , X \_ { 1 6 }$$是来自总体N(\\\\mu,4)的简单随机样本,考虑假设检验问题:$$H \_ { 0 } : \\\\mu \\\\le 1 0 ,$$$$H \_ { 1 } : \\\\mu > 1 0 , \\\\varphi \\\\left( x \\\\right)$$表示标准正态分布函数,若该检验问题的拒绝域为W={X≥11},其中$$\\\\overline { X } = \\\\frac { 1 } { 1 6 } \\\\sum \_ { i = 1 } ^ { 1 6 } X \_ { i } ,$$X,,则\\\\mu=11.5时,该检验犯第二类错误的概率为( ).","pos\_list":[[{"x":158,"y":1245},{"x":1519,"y":1241},{"x":1519,"y":1432},{"x":159,"y":1435}]],"content\_list":[{"type":1,"prob":98,"string":"\\\\left.{10} 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=$$.\_\_\_\_","pos\_list":[[{"x":154,"y":1715},{"x":1425,"y":1714},{"x":1425,"y":1801},{"x":154,"y":1802}]],"content\_list":[{"type":1,"prob":99,"string":"12)设函数","option":"","pos":[{"x":154,"y":1738},{"x":325,"y":1738},{"x":325,"y":1769},{"x":154,"y":1769}]},{"type":1,"prob":99,"string":"y=y(x)","option":"","pos":[{"x":325,"y":1737},{"x":470,"y":1736},{"x":470,"y":1774},{"x":325,"y":1775}]},{"type":1,"prob":99,"string":"由参数方程","option":"","pos":[{"x":469,"y":1737},{"x":655,"y":1737},{"x":655,"y":1769},{"x":470,"y":1769}]},{"type":1,"prob":100,"string":"","option":"","pos":[{"x":610,"y":1715},{"x":944,"y":1715},{"x":944,"y":1801},{"x":610,"y":1801}]},{"type":1,"prob":99,"string":"所确定,则","option":"","pos":[{"x":964,"y":1742},{"x":1100,"y":1740},{"x":1101,"y":1769},{"x":964,"y":1771}]},{"type":2,"prob":97,"string":"$$\\\\frac { d ^ { 2 } y } { d x ^ { 2 } } | \_ { t = 0 } 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=$$\_\_\_\_","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":703,"y":1940},{"x":838,"y":1940},{"x":838,"y":1978},{"x":703,"y":1978}],[{"x":1308,"y":1817},{"x":1442,"y":1817},{"x":1442,"y":1857},{"x":1308,"y":1857}]],"pos\_list":[[{"x":148,"y":1798},{"x":1471,"y":1799},{"x":1471,"y":2040},{"x":148,"y":2040}]],"element\_list":[{"type":0,"text":"13)欧拉方程$$x ^ { 2 } y \' + x y \' - 4 y = 0$$满足条件y(1)=1,y\'(1)=2的解为y= .\_\_\_\_","pos\_list":[[{"x":156,"y":1813},{"x":1455,"y":1812},{"x":1455,"y":1857},{"x":156,"y":1858}]],"content\_list":[{"type":1,"prob":91,"string":"13)欧拉方程","option":"","pos":[{"x":156,"y":1820},{"x":361,"y":1820},{"x":361,"y":1851},{"x":156,"y":1851}]},{"type":2,"prob":99,"string":"$$x ^ { 2 } y \' + x y \' - 4 y = 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\\\\right\\\\}$$表面的外侧,则曲面积分","pos\_list":[[{"x":156,"y":1865},{"x":1420,"y":1868},{"x":1420,"y":1911},{"x":156,"y":1908}]],"content\_list":[{"type":1,"prob":98,"string":".4)设∑为空间区域","option":"","pos":[{"x":156,"y":1871},{"x":462,"y":1872},{"x":462,"y":1902},{"x":156,"y":1901}]},{"type":2,"prob":98,"string":"$$\\\\left\\\\{ \\\\left( x , y , z \\\\right) | x ^ { 2 } + 4 y ^ { 2 } \\\\le 4 , 0 \\\\le z \\\\le 2 \\\\right\\\\}$$","option":"","pos":[{"x":462,"y":1866},{"x":1045,"y":1867},{"x":1045,"y":1910},{"x":462,"y":1909}]},{"type":1,"prob":99,"string":"表面的外侧,则曲面积分","option":"","pos":[{"x":1045,"y":1874},{"x":1420,"y":1875},{"x":1420,"y":1905},{"x":1045,"y":1904}]}]},{"type":0,"text":"$$\\\\int { x ^ { 2 } } d y d z + y ^ { 2 } d z d x + z d x d y =$$\_\_\_\_","pos\_list":[[{"x":212,"y":1919},{"x":839,"y":1919},{"x":838,"y":1999},{"x":212,"y":1998}]],"content\_list":[{"type":2,"prob":98,"string":"$$\\\\int { x ^ { 2 } } d y d z + y ^ { 2 } d z d x + z d x d y 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=$$","option":"","pos":[{"x":251,"y":2071},{"x":536,"y":2071},{"x":536,"y":2108},{"x":251,"y":2108}]},{"type":1,"prob":99,"string":".","option":"","pos":[{"x":536,"y":2076},{"x":686,"y":2076},{"x":686,"y":2105},{"x":536,"y":2104}]},{"type":1,"prob":100,"string":"\_\_\_\_","option":"","pos":[{"x":541,"y":2094},{"x":676,"y":2094},{"x":676,"y":2106},{"x":541,"y":2106}]}]},{"type":0,"text":"$$A = \\\\left( a \_ { i } \\\\right)$$ |A|=3,","pos\_list":[[{"x":251,"y":2014},{"x":1477,"y":2015},{"x":1476,"y":2058},{"x":251,"y":2057}]],"content\_list":[{"type":2,"prob":99,"string":"$$A = \\\\left( a \_ { i } \\\\right)$$","option":"","pos":[{"x":251,"y":2014},{"x":394,"y":2014},{"x":394,"y":2052},{"x":251,"y":2052}]},{"type":1,"prob":99,"string":"|A|=3,","option":"","pos":[{"x":1350,"y":2016},{"x":1476,"y":2016},{"x":1476,"y":2057},{"x":1350,"y":2058}]}]}]},{"index":4,"type":15,"num\_choices":0,"prob":0,"text":"16)甲、乙两个盒子中各装有2个红球和2个白球,先从甲盒中任取一球,观察颜色后放入乙盒中,再从乙盒中任取一球,令X,Y分别表示从甲盒和乙盒中取到的红球个数,则X与Y","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":0,"y":2116},{"x":1654,"y":2116},{"x":1654,"y":2339},{"x":0,"y":2339}]],"pos\_list":[[{"x":157,"y":2116},{"x":1520,"y":2116},{"x":1520,"y":2225},{"x":157,"y":2225}]],"element\_list":[{"type":0,"text":"16)甲、乙两个盒子中各装有2个红球和2个白球,先从甲盒中任取一球,观察颜色后放入乙盒中,再从乙盒中任取一球,令X,Y分别表示从甲盒和乙盒中取到的红球个数,则X与Y","pos\_list":[[{"x":158,"y":2126},{"x":1520,"y":2124},{"x":1520,"y":2204},{"x":158,"y":2207}]],"content\_list":[{"type":1,"prob":99,"string":"16)甲、乙两个盒子中各装有2个红球和2个白球,先从甲盒中任取一球,观察颜色后放入乙","option":"","pos":[{"x":158,"y":2127},{"x":1517,"y":2124},{"x":1517,"y":2152},{"x":158,"y":2155}]},{"type":1,"prob":99,"string":"盒中,再从乙盒中任取一球,令X,Y分别表示从甲盒和乙盒中取到的红球个数,则X与Y","option":"","pos":[{"x":215,"y":2178},{"x":1520,"y":2176},{"x":1520,"y":2204},{"x":215,"y":2206}]}]}]}]}],"prism\_version":"1.0.9","prism\_wnum":0,"width":1654}', 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