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y, z) =(x+y+z) i+xy j+zk的旋度rotA=.\_\_\_\_(11)设函数f(u,v)可微,z=z(x,y)由方程$$\\\\left( x + 1 \\\\right) z - y ^ { 2 } = x ^ { 2 } f \\\\left( x - z , y \\\\right)$$确定,则$$d z | \_ { \\\\left( 0 , 1 \\\\right) } =$$.\_\_\_\_(12)设函数$$f \\\\left( x \\\\right) = a x \\\\tan x - \\\\frac { x } { 1 + a x ^ { 2 } }$$,且f\'\'(0)=1,,则a=\_\_\_\_(14)设$$X \_ { 1 } , X \_ { 2 } , \\\\cdots , X \_ { n }$$,为来自总体$$N \\\\left( \\\\mu , \\\\sigma ^ { 2 } \\\\right)$$的简单随机样本,样本均值$$\\\\overline { X } = 9 . 5 ,$$参数\\\\mu的置信度为0.95的双侧置信区间的置信上限为10.8,则\\\\mu的置信度为0.95的双侧置信区间为 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y(x)dx的值","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":0,"y":1209},{"x":1654,"y":1209},{"x":1654,"y":1734},{"x":0,"y":1734}]],"pos\_list":[[{"x":53,"y":1209},{"x":962,"y":1209},{"x":962,"y":1504},{"x":53,"y":1504}]],"element\_list":[{"type":0,"text":"(16)(本题满分10分)","pos\_list":[[{"x":53,"y":1214},{"x":406,"y":1213},{"x":406,"y":1245},{"x":53,"y":1246}]],"content\_list":[{"type":1,"prob":99,"string":"(16)(本题满分10分)","option":"","pos":[{"x":53,"y":1214},{"x":406,"y":1213},{"x":406,"y":1245},{"x":53,"y":1246}]}]},{"type":0,"text":"设函数y(x)满足方程y\'+2y\'+ky=0,其中0<k<1.","pos\_list":[[{"x":131,"y":1265},{"x":962,"y":1264},{"x":962,"y":1311},{"x":131,"y":1312}]],"content\_list":[{"type":1,"prob":99,"string":"设函数y(x)满足方程","option":"","pos":[{"x":131,"y":1270},{"x":481,"y":1270},{"x":481,"y":1302},{"x":131,"y":1302}]},{"type":1,"prob":97,"string":"y\'+2y\'+ky=0,","option":"","pos":[{"x":481,"y":1266},{"x":739,"y":1264},{"x":739,"y":1310},{"x":481,"y":1311}]},{"type":1,"prob":99,"string":"其中0<k<1.","option":"","pos":[{"x":739,"y":1270},{"x":962,"y":1270},{"x":962,"y":1302},{"x":739,"y":1302}]}]},{"type":0,"text":"(I)证明:反常积分y(x)dx收敛;y(0)=1,y\'(0)=1, 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y \\\\right) } { d x } d x + \\\\frac { \\\\theta f \\\\left( x , y \\\\right) } { d y } d y ,$$,并求1(1)的最小值","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":0,"y":1734},{"x":1654,"y":1734},{"x":1654,"y":2339},{"x":0,"y":2339}]],"pos\_list":[[{"x":49,"y":1734},{"x":1598,"y":1734},{"x":1598,"y":1975},{"x":49,"y":1975}]],"element\_list":[{"type":0,"text":"(17)(本题满分10分)","pos\_list":[[{"x":53,"y":1734},{"x":406,"y":1734},{"x":406,"y":1766},{"x":53,"y":1766}]],"content\_list":[{"type":1,"prob":97,"string":"(17)(本题满分10分)","option":"","pos":[{"x":53,"y":1734},{"x":406,"y":1734},{"x":406,"y":1766},{"x":53,"y":1766}]}]},{"type":0,"text":"设函数f(x,y)满足$$\\\\frac { g f \\\\left( x , y \\\\right) } { a x } = \\\\left( 2 x + 1 \\\\right) e ^ { 2 x - y } ,$$且$$f \\\\left( 0 , y \\\\right) = y + 1 , L \_ { t }$$是从点(0,0)到点(1,t)的光滑曲线.计算曲线积分$$I \\\\left( t \\\\right) = \\\\int \_ { t \_ { 1 } } \\\\frac { g f \\\\left( x , y \\\\right) } { d x } d x + \\\\frac { \\\\theta f \\\\left( x , y \\\\right) } { d y } d y ,$$,并求1(1)的最小值","pos\_list":[[{"x":137,"y":1784},{"x":1598,"y":1783},{"x":1599,"y":1970},{"x":137,"y":1970}]],"content\_list":[{"type":1,"prob":99,"string":"设函数f(x,y)满足","option":"","pos":[{"x":137,"y":1808},{"x":431,"y":1807},{"x":431,"y":1849},{"x":137,"y":1849}]},{"type":2,"prob":96,"string":"$$\\\\frac { g f \\\\left( x , y \\\\right) } { a x } = \\\\left( 2 x + 1 \\\\right) e ^ { 2 x - y } ,$$","option":"","pos":[{"x":431,"y":1784},{"x":811,"y":1784},{"x":811,"y":1868},{"x":431,"y":1868}]},{"type":1,"prob":99,"string":"且","option":"","pos":[{"x":811,"y":1805},{"x":852,"y":1805},{"x":852,"y":1850},{"x":811,"y":1850}]},{"type":2,"prob":99,"string":"$$f \\\\left( 0 , y \\\\right) = y + 1 , L \_ { t }$$","option":"","pos":[{"x":852,"y":1804},{"x":1127,"y":1803},{"x":1127,"y":1853},{"x":852,"y":1853}]},{"type":1,"prob":99,"string":"是从点(0,0)到点(1,t)的光","option":"","pos":[{"x":1127,"y":1806},{"x":1598,"y":1805},{"x":1598,"y":1847},{"x":1127,"y":1847}]},{"type":1,"prob":99,"string":"滑曲线.计算曲线积分","option":"","pos":[{"x":138,"y":1895},{"x":487,"y":1896},{"x":487,"y":1956},{"x":137,"y":1956}]},{"type":2,"prob":94,"string":"$$I \\\\left( t \\\\right) = \\\\int \_ { t \_ { 1 } } \\\\frac { g f \\\\left( x , y \\\\right) } { d x } d x + \\\\frac { \\\\theta f \\\\left( x , y \\\\right) } { d y } d y ,$$","option":"","pos":[{"x":487,"y":1885},{"x":1014,"y":1885},{"x":1014,"y":1970},{"x":487,"y":1970}]},{"type":1,"prob":88,"string":",并求1(1)的最小值","option":"","pos":[{"x":1014,"y":1897},{"x":1324,"y":1897},{"x":1323,"y":1958},{"x":1014,"y":1957}]}]}]}]}],"prism\_version":"1.0.9","prism\_wnum":0,"width":1654}', 'RequestId': '2CB1180E-6EA4-5132-AB70-D584EED32964'}}