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= \\\\left\\\\{ \\\\left( x , y \\\\right) | x ^ { 2 } + \\\\frac { y ^ { 2 } } { 4 } \\\\le 1 \\\\right. \\\\right\\\\}$$上的最大值和最小值.(21)(本题满分9分)计算二重积分$$x ^ { 2 } + y ^ { 2 } - 1 | d \\\\sigma ,$$其中D={(x, y) |0≤x≤1, 0≤y≤1\\\\right.} .D(22)(本题满分9分)确定常数a,使向量组$$a \_ { 1 } = \\\\left( 1 , 1 , a \\\\right) ^ { T } , a \_ { 2 } = \\\\left( 1 , a , 1 \\\\right) ^ { T } , a \_ { 3 } = \\\\left( a , 1 , 1 \\\\right) ^ { 1 }$$可由向量组$$\\\\beta \_ { 1 } =$$$$\\\\left( 1 , 1 , a \\\\right) ^ { T } , \\\\beta \_ { 2 } = \\\\left( - 2 , a , 4 \\\\right) ^ { T } , \\\\beta \_ { 3 } = \\\\left( - 2 , a , a \\\\right) ^ { - }$$线性表示,但向量组$$\\\\beta \_ { 1 } , \\\\beta \_ { 2 } , \\\\beta \_ { 3 }$$不能由向量组$$\\\\alpha \_ { 1 } , \\\\alpha \_ { 2 } , \\\\alpha \_ { 3 }$$线性表示.(23)(本题满分9分)已知3阶矩阵A的第一行是(a,b,c),a,b,c不全为零,矩阵B 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\\\\right) ^ { - }$$线性表示,但向量组$$\\\\beta \_ { 1 } , \\\\beta \_ { 2 } , \\\\beta \_ { 3 }$$不能由向量组$$\\\\alpha \_ { 1 } , \\\\alpha \_ { 2 } , \\\\alpha \_ { 3 }$$线性表示.","pos\_list":[[{"x":163,"y":976},{"x":1571,"y":974},{"x":1571,"y":1131},{"x":163,"y":1133}]],"content\_list":[{"type":1,"prob":99,"string":"确定常数a,使向量组","option":"","pos":[{"x":164,"y":982},{"x":507,"y":983},{"x":507,"y":1014},{"x":164,"y":1013}]},{"type":2,"prob":98,"string":"$$a \_ { 1 } = \\\\left( 1 , 1 , a \\\\right) ^ { T } , a \_ { 2 } = \\\\left( 1 , a , 1 \\\\right) ^ { T } , a \_ { 3 } = \\\\left( a , 1 , 1 \\\\right) ^ { 1 }$$","option":"","pos":[{"x":507,"y":978},{"x":1283,"y":974},{"x":1283,"y":1022},{"x":507,"y":1026}]},{"type":1,"prob":99,"string":"可由向量组","option":"","pos":[{"x":1283,"y":984},{"x":1485,"y":985},{"x":1485,"y":1016},{"x":1283,"y":1016}]},{"type":2,"prob":99,"string":"$$\\\\beta \_ { 1 } 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