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\\\\right)$$为区域D上一点,问h(x,y)在该点沿平面上什么方向的方向导数最大?若记此方向导数的最大值为$$g \\\\left( x \_ { 0 } , y \_ { 0 } \\\\right) ,$$,试写出$$g \\\\left( x \_ { 0 } , y \_ { 0 } \\\\right)$$的表达式.","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":0,"y":2030},{"x":1654,"y":2030},{"x":1654,"y":2339},{"x":0,"y":2339}]],"pos\_list":[[{"x":72,"y":2030},{"x":1573,"y":2031},{"x":1573,"y":2262},{"x":72,"y":2261}]],"element\_list":[{"type":0,"text":"设有一小山,取它的底面所在的平面为x0y坐标面,其底部所占的区域为$$D = \\\\left\\\\{ \\\\left( x , y \\\\right) | x ^ { 2 } + y ^ { 2 } - x y \\\\right.$$\\\\left.{≤75} } ,,小山的高度函数为$$h \\\\left( x , y \\\\right) = 7 5 - x ^ { 2 } - y ^ { 2 } + x y .$$","pos\_list":[[{"x":77,"y":2037},{"x":1573,"y":2038},{"x":1573,"y":2140},{"x":77,"y":2138}]],"content\_list":[{"type":1,"prob":98,"string":"设有一小山,取它的底面所在的平面为x0y坐标面,其底部所占的区域为","option":"","pos":[{"x":77,"y":2045},{"x":1185,"y":2046},{"x":1185,"y":2079},{"x":77,"y":2077}]},{"type":2,"prob":99,"string":"$$D = \\\\left\\\\{ \\\\left( x , y \\\\right) | x ^ { 2 } + y ^ { 2 } - x y \\\\right.$$","option":"","pos":[{"x":1185,"y":2038},{"x":1573,"y":2038},{"x":1573,"y":2088},{"x":1185,"y":2088}]},{"type":1,"prob":94,"string":"\\\\left.{≤75} } ,","option":"","pos":[{"x":79,"y":2096},{"x":190,"y":2096},{"x":190,"y":2135},{"x":80,"y":2135}]},{"type":1,"prob":99,"string":",小山的高度函数为","option":"","pos":[{"x":190,"y":2100},{"x":489,"y":2100},{"x":489,"y":2132},{"x":190,"y":2132}]},{"type":2,"prob":99,"string":"$$h \\\\left( x , y \\\\right) = 7 5 - x ^ { 2 } - y ^ { 2 } + x y .$$","option":"","pos":[{"x":489,"y":2095},{"x":925,"y":2094},{"x":925,"y":2138},{"x":489,"y":2139}]}]},{"type":0,"text":"(1)设$$M \\\\left( x \_ { 0 } , y \_ { 0 } \\\\right)$$为区域D上一点,问h(x,y)在该点沿平面上什么方向的方向导数最大?若记此方向导数的最大值为$$g \\\\left( x \_ { 0 } , y \_ { 0 } \\\\right) ,$$,试写出$$g \\\\left( x \_ { 0 } , y \_ { 0 } 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