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\_ { 1 } \\\\left( x \\\\right) , u \_ { 2 } \\\\left( x \\\\right) ,$$…,$$u \_ { n } \\\\left( x \\\\right)$$可导,$$f \\\\left( x \\\\right) = u \_ { 1 } \\\\left( x \\\\right) u \_ { 2 } \\\\left( x \\\\right) \\\\cdots { u \_ { n } } \\\\left( x \\\\right) 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\_ { 1 } \\\\left( x \\\\right) , u \_ { 2 } \\\\left( x \\\\right) ,$$…,$$u \_ { n } \\\\left( x \\\\right)$$可导,$$f \\\\left( x \\\\right) = u \_ { 1 } \\\\left( x \\\\right) u \_ { 2 } \\\\left( x \\\\right) \\\\cdots { u \_ { n } } \\\\left( x \\\\right) ,$$写出f(x)的求导公式.","pos\_list":[[{"x":131,"y":138},{"x":1598,"y":140},{"x":1598,"y":234},{"x":131,"y":232}]],"content\_list":[{"type":1,"prob":99,"string":"(Ⅱ)设函数","option":"","pos":[{"x":138,"y":144},{"x":329,"y":145},{"x":329,"y":180},{"x":138,"y":180}]},{"type":2,"prob":99,"string":"$$u \_ { 1 } \\\\left( x \\\\right) , u \_ { 2 } \\\\left( x \\\\right) ,$$","option":"","pos":[{"x":330,"y":140},{"x":554,"y":140},{"x":554,"y":188},{"x":329,"y":187}]},{"type":1,"prob":99,"string":"…,","option":"","pos":[{"x":554,"y":145},{"x":617,"y":145},{"x":617,"y":180},{"x":554,"y":180}]},{"type":2,"prob":99,"string":"$$u \_ { n } \\\\left( x 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}$$(I)证明向量组$$\\\\beta \_ { 1 } , \\\\beta \_ { 2 } , \\\\beta \_ { 3 }$$为$$R ^ { 3 }$$的一个基;(Ⅱ)当k为何值时,存在非零向量在基$$\\\\alpha \_ { 1 } , \\\\alpha \_ { 2 } , \\\\alpha \_ { 3 }$$与基$$\\\\beta \_ { 1 } , \\\\beta \_ { 2 } , \\\\beta \_ { 3 }$$下的坐标相同,并求所有的","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":0,"y":1507},{"x":1654,"y":1507},{"x":1654,"y":2339},{"x":0,"y":2339}]],"pos\_list":[[{"x":53,"y":1507},{"x":1589,"y":1507},{"x":1589,"y":1746},{"x":53,"y":1746}]],"element\_list":[{"type":0,"text":"(20)(本题满分11分)","pos\_list":[[{"x":53,"y":1524},{"x":406,"y":1523},{"x":406,"y":1555},{"x":53,"y":1556}]],"content\_list":[{"type":1,"prob":99,"string":"(20)(本题满分11分)","option":"","pos":[{"x":53,"y":1524},{"x":406,"y":1523},{"x":406,"y":1555},{"x":53,"y":1556}]}]},{"type":0,"text":"设向量组$$\\\\alpha \_ { 1 } , \\\\alpha \_ { 2 } , \\\\alpha \_ { 3 }$$为$$R ^ { 3 }$$的一个基,$$\\\\beta \_ { 1 } = 2 \\\\alpha \_ { 1 } + 2 k \\\\alpha \_ { 3 } , \\\\beta \_ { 2 } = 2 \\\\alpha \_ { 2 } , \\\\beta \_ { 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