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^ { T } , \\\\alpha \_ { 3 } = \\\\left( 1 , 1 , \\\\lambda \\\\right) ^ { T } , \\\\alpha \_ { 4 } = \\\\left( 1 , \\\\lambda , \\\\lambda ^ { 2 } \\\\right)$$,若$$\\\\alpha \_ { 1 } , \\\\alpha \_ { 2 } , \\\\alpha \_ { 3 }$$与$$\\\\alpha \_ { 1 } , \\\\alpha \_ { 2 } ,$$$$\\\\alpha \_ { 4 }$$等价,则λ的取值范围是( )(A){,1}.(B){λ|λ∈R,λ≠-2}.(C){λ|λ∈R,λ≠-1,λ≠-2}.(D){λ|λ∈R,λ≠-1}.","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":518,"y":352},{"x":603,"y":352},{"x":603,"y":383},{"x":518,"y":383}]],"pos\_list":[[{"x":120,"y":298},{"x":1336,"y":298},{"x":1336,"y":578},{"x":121,"y":578}]],"element\_list":[{"type":0,"text":"(7)设$$\\\\alpha \_ { 1 } = \\\\left( \\\\lambda , 1 , 1 \\\\right) ^ { T } , \\\\alpha \_ { 2 } = \\\\left( 1 , \\\\lambda , 1 \\\\right) ^ { T } , \\\\alpha \_ { 3 } = \\\\left( 1 , 1 , \\\\lambda \\\\right) ^ { T } , \\\\alpha \_ { 4 } = \\\\left( 1 , \\\\lambda , \\\\lambda ^ { 2 } \\\\right)$$,若$$\\\\alpha \_ { 1 } , \\\\alpha \_ { 2 } , \\\\alpha \_ { 3 }$$与$$\\\\alpha 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\_ { 2 } | \\\\ge e \\\\right\\\\} \\\\le$$( )$$\\\\left( A \\\\right) \\\\frac { u \_ { 4 } - u \_ { 2 } ^ { 2 } } { n e ^ { 2 } }$$ $$\\\\left( B \\\\right) \\\\frac { \\\\mu \_ { 4 } - \\\\mu \_ { 2 } ^ { 2 } } { \\\\sqrt n e ^ { 2 } } .$$ $$\\\\left( C \\\\right) \\\\frac { u \_ { 2 } - \\\\mu \_ { 1 } ^ { 2 } } { n \_ { e } ^ { 2 } } .$$ $$\\\\left( D \\\\right) \\\\frac { \\\\mu \_ { 2 } - \\\\mu \_ { 1 } ^ { 2 } } { \\\\sqrt n e ^ { 2 } } .$$","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":975,"y":810},{"x":1059,"y":810},{"x":1059,"y":840},{"x":975,"y":840}]],"pos\_list":[[{"x":119,"y":734},{"x":1335,"y":734},{"x":1335,"y":964},{"x":119,"y":964}]],"element\_list":[{"type":0,"text":"(9)设随机变量$$X \_ { 1 } , X \_ { 2 } , \\\\cdots , X \_ { n }$$独立同分布,且$$X \_ { 1 }$$的4阶矩存在,$$E \\\\left( X \_ { 1 } ^ { k } \\\\right) = u \_ { k } \\\\left( k = 1 , 2 , 3 , 4 \\\\right) ,$$,则根据切比雪夫不等式,对任意s>0,都有$$P \\\\left\\\\{ | \\\\frac { 1 } { n } \\\\sum \_ { i = 1 } ^ { n } X \_ { i } ^ { 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\\\\le$$","option":"","pos":[{"x":632,"y":790},{"x":957,"y":788},{"x":958,"y":862},{"x":632,"y":864}]},{"type":1,"prob":97,"string":"()","option":"","pos":[{"x":957,"y":802},{"x":1052,"y":802},{"x":1052,"y":849},{"x":957,"y":849}]}]},{"type":0,"text":"$$\\\\left( A \\\\right) \\\\frac { u \_ { 4 } - u \_ { 2 } ^ { 2 } } { n e ^ { 2 } }$$ $$\\\\left( B \\\\right) \\\\frac { \\\\mu \_ { 4 } - \\\\mu \_ { 2 } ^ { 2 } } { \\\\sqrt n e ^ { 2 } } .$$ $$\\\\left( C \\\\right) \\\\frac { u \_ { 2 } - \\\\mu \_ { 1 } ^ { 2 } } { n \_ { e } ^ { 2 } } .$$ $$\\\\left( D \\\\right) \\\\frac { \\\\mu \_ { 2 } - \\\\mu \_ { 1 } ^ { 2 } } { \\\\sqrt n e ^ { 2 } } .$$","pos\_list":[[{"x":171,"y":877},{"x":1204,"y":877},{"x":1204,"y":961},{"x":171,"y":961}]],"content\_list":[{"type":2,"prob":95,"string":"$$\\\\left( A \\\\right) \\\\frac { u \_ { 4 } - u \_ { 2 } ^ { 2 } } { n e ^ { 2 } 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} .$$ $$\\\\left( C \\\\right) \\\\frac { \\\\sqrt 3 } { 3 } .$$ $$\\\\left( D \\\\right) \\\\frac { \\\\sqrt 2 } { 2 } .$$","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":218,"y":1026},{"x":303,"y":1026},{"x":303,"y":1057},{"x":218,"y":1057}]],"pos\_list":[[{"x":116,"y":971},{"x":1337,"y":971},{"x":1337,"y":1150},{"x":116,"y":1150}]],"element\_list":[{"type":0,"text":"(10)设随机变量X∼N(0,1),若在X=x的条件下,随机变量Y∼N(x,1),则X与Y的相关系数为( 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A \\\\right) \\\\frac { 1 } { 4 } .$$ $$\\\\left( B \\\\right) \\\\frac { 1 } { 2 } .$$ $$\\\\left( C \\\\right) \\\\frac { \\\\sqrt 3 } { 3 } .$$ $$\\\\left( D \\\\right) \\\\frac { \\\\sqrt 2 } { 2 } .$$","pos\_list":[[{"x":189,"y":1076},{"x":1145,"y":1076},{"x":1145,"y":1145},{"x":189,"y":1145}]],"content\_list":[{"type":2,"prob":99,"string":"$$\\\\left( A \\\\right) \\\\frac { 1 } { 4 } .$$","option":"","pos":[{"x":189,"y":1082},{"x":282,"y":1082},{"x":282,"y":1145},{"x":189,"y":1145}]},{"type":2,"prob":99,"string":"$$\\\\left( B \\\\right) \\\\frac { 1 } { 2 } .$$","option":"","pos":[{"x":469,"y":1082},{"x":559,"y":1082},{"x":559,"y":1143},{"x":469,"y":1143}]},{"type":2,"prob":99,"string":"$$\\\\left( C \\\\right) \\\\frac { \\\\sqrt 3 } { 3 } .$$","option":"","pos":[{"x":755,"y":1076},{"x":852,"y":1076},{"x":852,"y":1144},{"x":755,"y":1144}]},{"type":2,"prob":99,"string":"$$\\\\left( D \\\\right) \\\\frac { \\\\sqrt 2 } { 2 } 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\\\\right) ^ { - 1 } \\\\right] B = A ,$$则B-A = .\_\_\_\_","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":303,"y":1584},{"x":391,"y":1584},{"x":391,"y":1618},{"x":303,"y":1618}]],"pos\_list":[[{"x":122,"y":1533},{"x":1332,"y":1533},{"x":1332,"y":1620},{"x":122,"y":1620}]],"element\_list":[{"type":0,"text":"(15)已知矩阵A和E-A可逆,其中E为单位矩阵,若矩阵B满足$$\\\\left[ E - \\\\left( E - A \\\\right) ^ { - 1 } \\\\right] B = A ,$$则B-A = .\_\_\_\_","pos\_list":[[{"x":122,"y":1534},{"x":1332,"y":1533},{"x":1332,"y":1617},{"x":122,"y":1618}]],"content\_list":[{"type":1,"prob":99,"string":"(15)已知矩阵A和E-A可逆,其中E为单位矩阵,若矩阵B满足","option":"","pos":[{"x":122,"y":1540},{"x":977,"y":1539},{"x":977,"y":1565},{"x":122,"y":1566}]},{"type":2,"prob":99,"string":"$$\\\\left[ E - \\\\left( E - A \\\\right) ^ { - 1 } \\\\right] B = A 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-$$,则P(B∪C|A∪B∪C)=\_\_\_\_","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":832,"y":1701},{"x":920,"y":1701},{"x":920,"y":1731},{"x":832,"y":1731}]],"pos\_list":[[{"x":119,"y":1630},{"x":1337,"y":1630},{"x":1337,"y":1748},{"x":119,"y":1748}]],"element\_list":[{"type":0,"text":"(16)设A,B,C为随机事件,且A与B互不相容,A与C互不相容,B与C相互独立,P(A)=$$P \\\\left( B \\\\right) = P \\\\left( C \\\\right) = \\\\frac { 1 } { 3 } -$$,则P(B∪C|A∪B∪C)=\_\_\_\_","pos\_list":[[{"x":120,"y":1637},{"x":1332,"y":1636},{"x":1332,"y":1747},{"x":120,"y":1748}]],"content\_list":[{"type":1,"prob":99,"string":"(16)设A,B,C为随机事件,且A与B互不相容,A与C互不相容,B与C相互独立,P(A)=","option":"","pos":[{"x":120,"y":1639},{"x":1332,"y":1636},{"x":1332,"y":1663},{"x":120,"y":1665}]},{"type":2,"prob":99,"string":"$$P \\\\left( B \\\\right) = P \\\\left( C \\\\right) = \\\\frac { 1 } { 3 } 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