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= \\\\frac { 1 } { 2 } \\\\sum \_ { i = 7 } ^ { q } \\\\left( X \_ { 1 } - Y \_ { 2 } \\\\right) ^ { 2 } , z = \\\\frac { \\\\sqrt 2 \\\\left( Y \_ { 1 } - Y \_ { 2 } \\\\right) } { S } ,$$证明统计量Z服从自由度为2的t分布.","pos\_list":[[{"x":71,"y":1093},{"x":1568,"y":1078},{"x":1570,"y":1293},{"x":73,"y":1307}]],"content\_list":[{"type":1,"prob":99,"string":"设","option":"","pos":[{"x":86,"y":1115},{"x":123,"y":1115},{"x":123,"y":1148},{"x":86,"y":1148}]},{"type":2,"prob":99,"string":"$$X \_ { 1 } , X \_ { 2 } , \\\\cdots , X \_ { 9 }$$","option":"","pos":[{"x":123,"y":1113},{"x":310,"y":1110},{"x":310,"y":1154},{"x":124,"y":1157}]},{"type":1,"prob":98,"string":"是来自正态总体Ⅹ的简单随机样本,","option":"","pos":[{"x":310,"y":1115},{"x":862,"y":1114},{"x":862,"y":1146},{"x":310,"y":1147}]},{"type":2,"prob":99,"string":"$$Y \_ { 1 } = \\\\frac { 1 } { 6 } \\\\left( X \_ { 1 } + \\\\cdots + X \_ { 6 } \\\\right) , Y \_ { 2 } = \\\\frac { 1 } { 3 } \\\\left( X \_ { 7 } + X \_ { 8 } + X \_ { 9 } \\\\right) ,$$","option":"","pos":[{"x":853,"y":1085},{"x":1568,"y":1078},{"x":1569,"y":1180},{"x":854,"y":1187}]},{"type":2,"prob":96,"string":"$$S ^ { 2 } = \\\\frac { 1 } { 2 } \\\\sum \_ { i = 7 } ^ { q } \\\\left( X \_ { 1 } - Y \_ { 2 } \\\\right) ^ { 2 } , z = \\\\frac { \\\\sqrt 2 \\\\left( Y \_ { 1 } - Y \_ { 2 } \\\\right) } { S } ,$$","option":"","pos":[{"x":72,"y":1191},{"x":708,"y":1181},{"x":710,"y":1297},{"x":73,"y":1307}]},{"type":1,"prob":99,"string":"证明统计量Z服从自由度为2的t分布.","option":"","pos":[{"x":712,"y":1231},{"x":1327,"y":1232},{"x":1327,"y":1263},{"x":711,"y":1262}]}]}]}]}],"prism\_version":"1.0.9","prism\_wnum":0,"width":1654}', 'RequestId': '46480D67-3484-523C-967C-17315FC76343'}}