

**INFLUENCE OF SPATIAL ABILITY ON MATHEMATICAL CREATIVITY OF  
HIGHER SECONDARY SCHOOL STUDENTS IN KERALA**

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Year of the study: 2015

**OBJECTIVE**

- To find is there exists any significant relationship between spatial ability and mathematical creativity for the total sample and sub samples based on gender, board of education and subject specifications

**METHODOLOGY**

**Method used:** Survey method  
**Sample:** 400 higher secondary school students  
**Tool:** Mathematical creativity test, Spatial Ability test  
**Statistical technique used** Pearson's coefficient of correlation Test of significance of difference between means (t test)

**RESULT**

There is a significant positive and high relationship between Spatial Ability and Mathematical Creativity of higher secondary school students for total sample and sub sample based on gender, board of education and subject specification. There is no significant difference in Spatial Ability of higher secondary school students based on gender, board of education and subject specification. There is no significant difference in Mathematical Creativity of higher secondary school students based on gender, board of education and subject specification.

**KEY TERMS:** Mathematical creativity, Spatial ability