length, grains/spike, 1000 grain weight, harvest index, vegetative period, grain filling period, days to maturity, and grain yield/ plant were investigated and significant variations were observed among the genotypes. Divergence

program in spring wheat. Study of correlations showed that grain yield/plant was significantly and positively correlated

studied characters, spikes/plant showed the highest phenotypic coefficient of variation followed by grain yield per

weight, harvest index and grain yield/plant were highly heritable. Path coefficient analysis also confirmed that spikes/ plant, grains/spike, spike length, 1000-grain weight, and harvest index influenced grain yield directly in positive

## Materials and Methods

### Experimental site

**Location:**

**Soil and climate:**

### Experimental details

**Plant materials:**

**Design and layout:**

### Methods

**Land preparation and fertilization:**

**Sowing of seeds and intercultural operations:**

**Data collection:**

**Plant height (cm):**

**Spikes/plant:**

**Spikes length (cm):**

**1000-grain weight (g):**

**Grains/spike:**

**Harvest index:**

**Vegetative period:**

**Grain filling period:**

**Days to maturity:**

**Grain yield/plant (g):**

### Data analysis

**Estimation of genotypic and phenotypic coefficients of variation:**

[illegible]

**Spike length:**

**Grains/spike:**

**1000-grain weight:**

**Harvest index:**

[illegible]

## Genetic divergence

[illegible]

| [illegible] | I | I | I | IV | V | IV | IV |
|---|---|---|---|---|---|---|---|
| I | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
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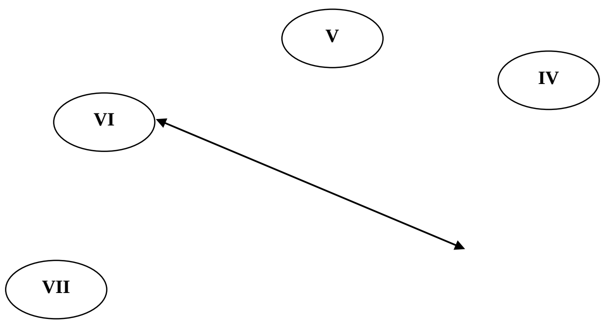
| IV | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| V | | | | | [illegible] | [illegible] | [illegible] |
| IV | | | | | | [illegible] | [illegible] |
| IV | | | | | | | [illegible] |

[illegible] .



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| Grain filling period | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Diagonally bold figures indicate the direct effect | | | | | | | [illegible] | | | |

[illegible]artitioning of genotypic variance into direct and indirect effects of morphological characters of 40 wheat genotypes by path coefficient analysis.

[illegible]

**Plant height:** [illegible]

5. [illegible]

6. [illegible]

7. [illegible]

8. [illegible]

9. [illegible]

10. [illegible]

11. [illegible]

12. [illegible]

13. Bhatt GM (1973) Signifcance at path coeffcients analysis in determining the [illegible]

14. [illegible]

15. [illegible] signifcance Proc sixth Int Grasslands congr 1: 284-291.

16. Singh RK, Chaudhary BD (1985) Biometrical Methods in quantitative genetic analysis. Biometrical methods in quantitative genetic analysis. Kalyani [illegible]

17. [illegible]

18. Sharma RC, Ortiz FG, Crossa J, Bhatta MR Sufan MA (2007) Wheat grain [illegible]

19. [illegible]

20. [illegible]

21. [illegible]

22. [illegible]

23. [illegible]

24. [illegible]