

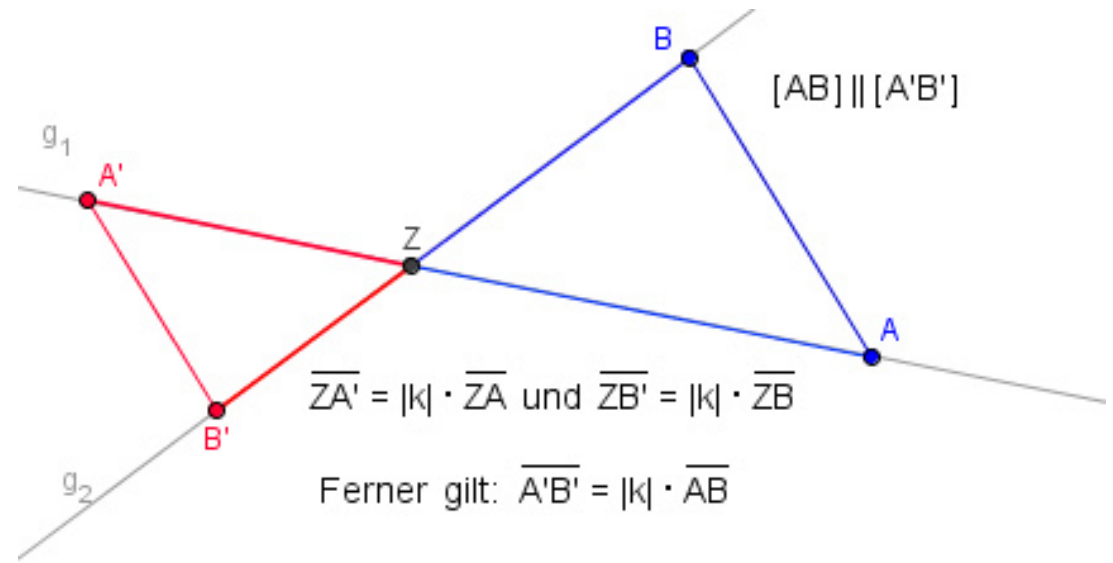
$$\overline{ZA'} = |k| \cdot \overline{ZA} \text{ und } \overline{ZB'} = |k| \cdot \overline{ZB}$$

Daraus folgt:

$$\frac{\overline{ZA'}}{\overline{ZA}} = |k| \text{ und } \frac{\overline{ZB'}}{\overline{ZB}} = |k|$$

Somit gilt:

$$\frac{\overline{ZA'}}{\overline{ZA}} = \frac{\overline{ZB'}}{\overline{ZB}}$$



$$\overline{ZA'} = |k| \cdot \overline{ZA} \text{ und } \overline{ZB'} = |k| \cdot \overline{ZB}$$

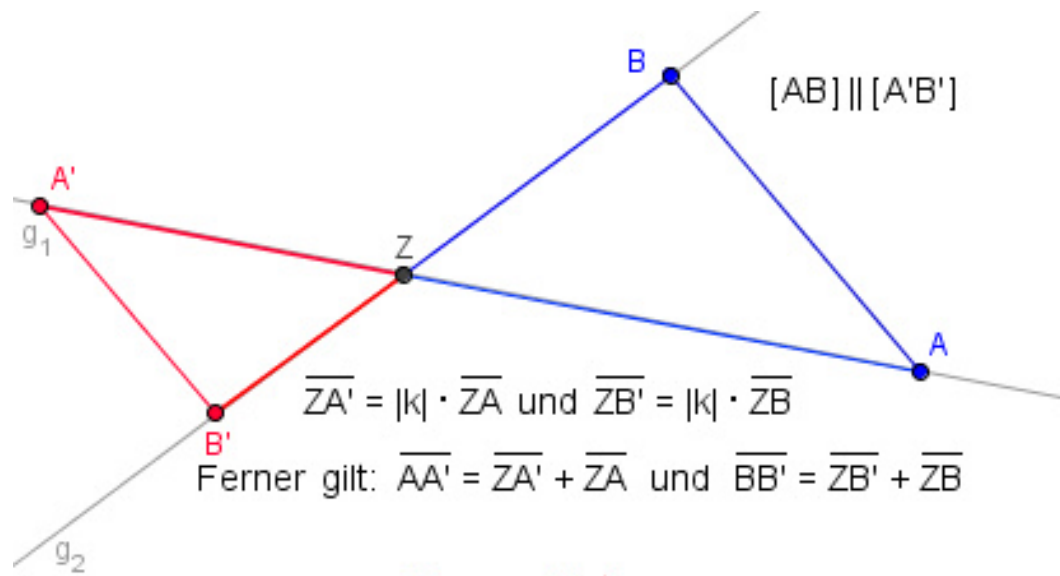
$$\text{Ferner gilt: } \overline{A'B'} = |k| \cdot \overline{AB}$$

Daraus folgt:

$$\frac{\overline{ZA'}}{\overline{ZA}} = |k| \text{ und } \frac{\overline{ZB'}}{\overline{ZB}} = |k| \text{ und } \frac{\overline{A'B'}}{\overline{AB}} = |k|$$

Somit gilt:

$$\frac{\overline{ZA'}}{\overline{ZA}} = \frac{\overline{A'B'}}{\overline{AB}} \text{ oder auch } \frac{\overline{ZB'}}{\overline{ZB}} = \frac{\overline{A'B'}}{\overline{AB}}$$



Daraus folgt:

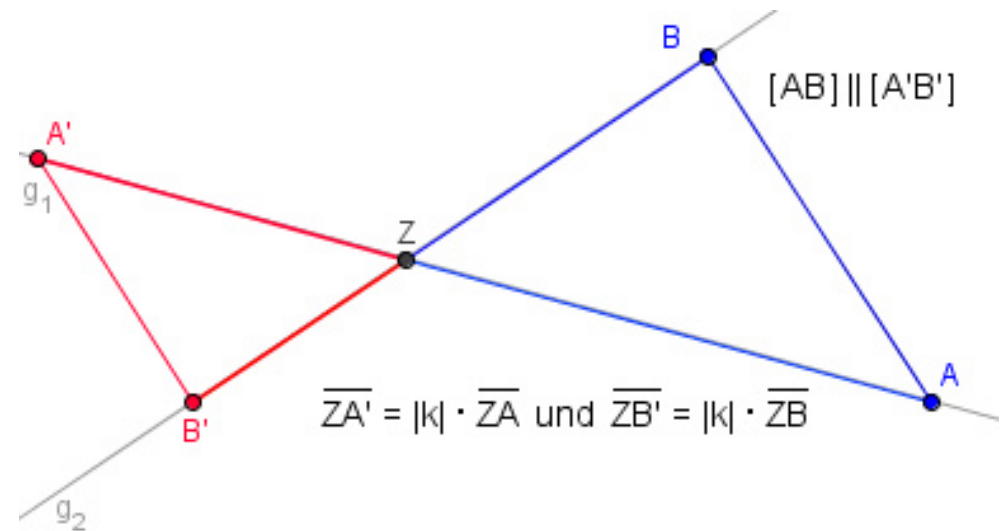
$$\overline{AA'} = |k| \cdot \overline{ZA} + \overline{ZA} \quad \text{und} \quad \overline{BB'} = |k| \cdot \overline{ZB} + \overline{ZB}$$

$$\overline{AA'} = \overline{ZA} \cdot (|k| + 1) \quad \text{und} \quad \overline{BB'} = \overline{ZB} \cdot (|k| + 1)$$

$$\frac{\overline{AA'}}{\overline{ZA}} = (|k| + 1) \quad \text{und} \quad \frac{\overline{BB'}}{\overline{ZB}} = (|k| + 1)$$

Somit gilt:

$$\frac{\overline{AA'}}{\overline{ZA}} = \frac{\overline{BB'}}{\overline{ZB}}$$



Zusammenfassend gilt:

$$\frac{\overline{ZA'}}{\overline{ZA}} = \frac{\overline{ZB'}}{\overline{ZB}}$$

$$\frac{\overline{ZA'}}{\overline{ZA}} = \frac{\overline{A'B'}}{\overline{AB}} \quad \text{oder} \quad \frac{\overline{ZB'}}{\overline{ZB}} = \frac{\overline{A'B'}}{\overline{AB}}$$

$$\frac{\overline{AA'}}{\overline{ZA}} = \frac{\overline{BB'}}{\overline{ZB}} \quad \text{oder} \quad \frac{\overline{ZA}}{\overline{AA'}} = \frac{\overline{ZB}}{\overline{BB'}}$$