

Euler's Bemerkung - Der Beweis dazu!
(ad "Satz von Desargues")

Wahlpflichtfach
Mathematik

200768

$$\lambda = \frac{1}{\mu} \Rightarrow B_2 = \frac{1}{\mu - 1} \left((\mu - 1)A + (\mu - \mu)C \right)$$

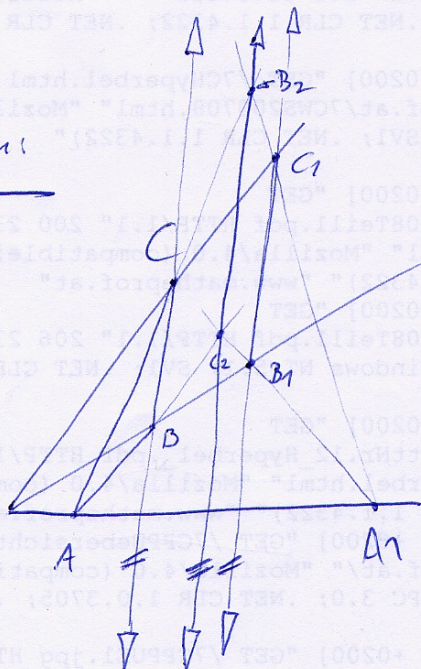
$$C_2 = \frac{1}{2 - \mu} \left((2\mu - \mu)B + (2 - 2\mu)A \right)$$

$$\Rightarrow \overrightarrow{B_2C_2} = \frac{1}{2 - \mu} \left(\mu(2 - 1)B + \mu(1 - 2)C \right)$$

$$= \frac{(1 - 2)\mu}{2 - \mu} (C - B) = \frac{(1 - 2)\mu}{2 - \mu} \cdot \overrightarrow{BC}$$

$$\Rightarrow g_{B_2C_2} \parallel g_{BC}, \text{ w.z.z.w.}$$

Bild dazu:



✓

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