

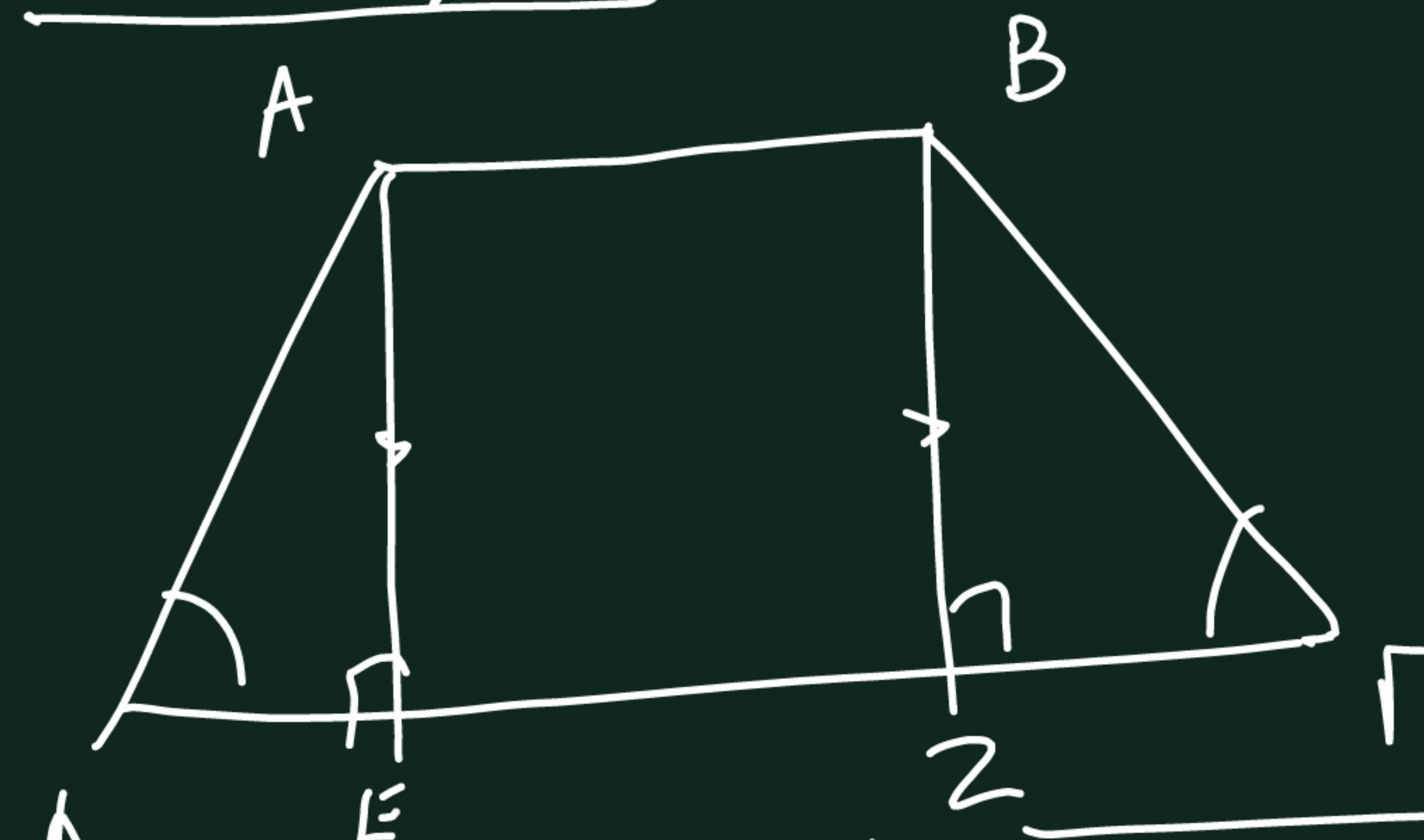
Ορισμός: 1606 κελίς λήγειαν το χωρίο που έχω ως

μη παρὰλληλὰς ηλυνρς, ιβςς.

Ιδιότητες: 1) Οι προβεσικες, 6μν ίδια βέον γωvις είναι ιβςς.

2) Οι διαγώνιοι είναι ιβςς.

Απόδειξη



γ	$AB \parallel CD$ $AD = BC$
Σ	$\hat{\Gamma} = \hat{\Delta}$

$$\overset{\Delta}{A} \overset{\Delta}{E} \in \overset{\Delta}{B} \overset{\Delta}{Z} \Gamma$$

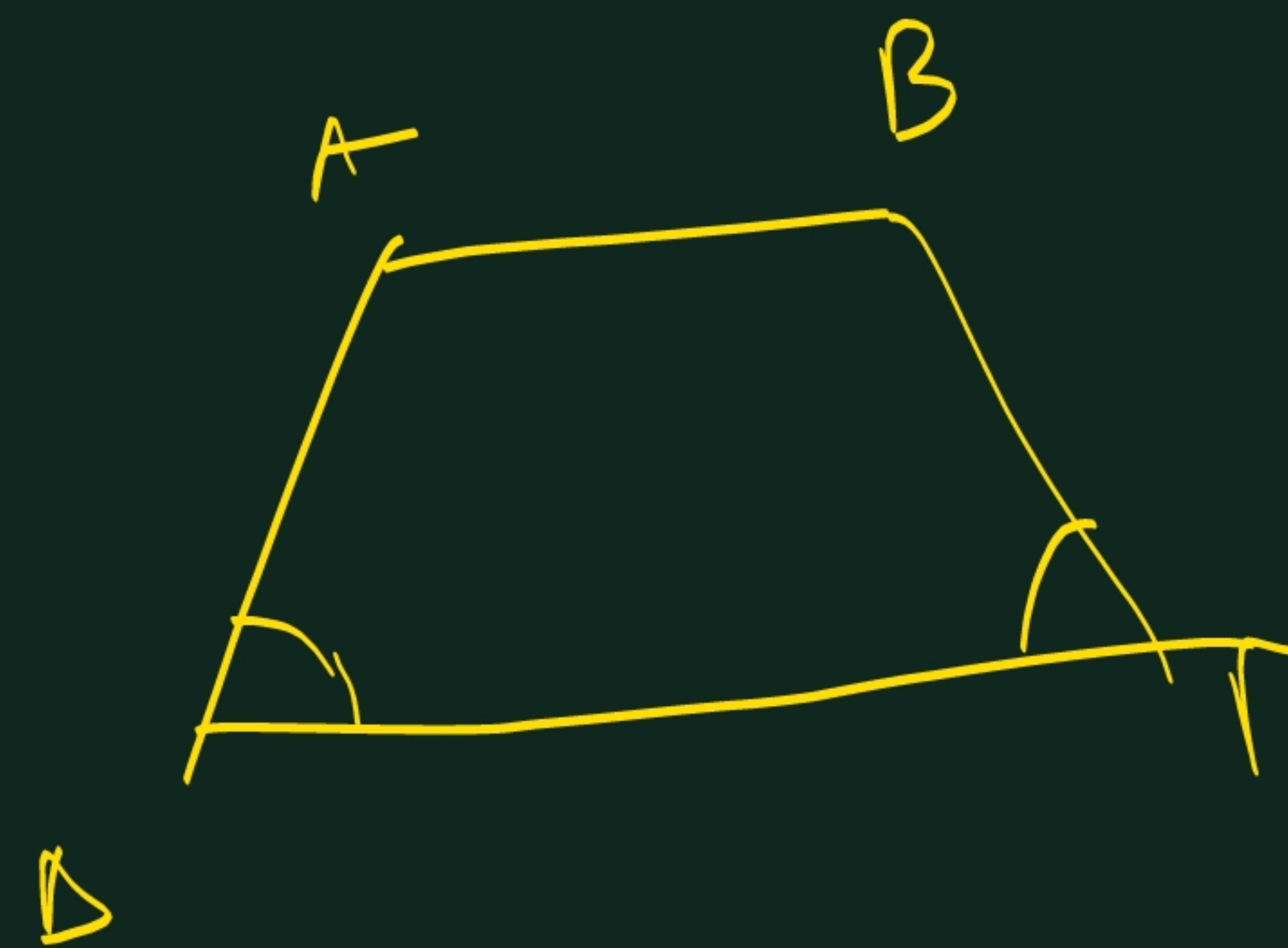
$$\hat{E} = \hat{Z} = 90^\circ$$

$$AE = BZ \text{ (ήταν παραβίω)}$$

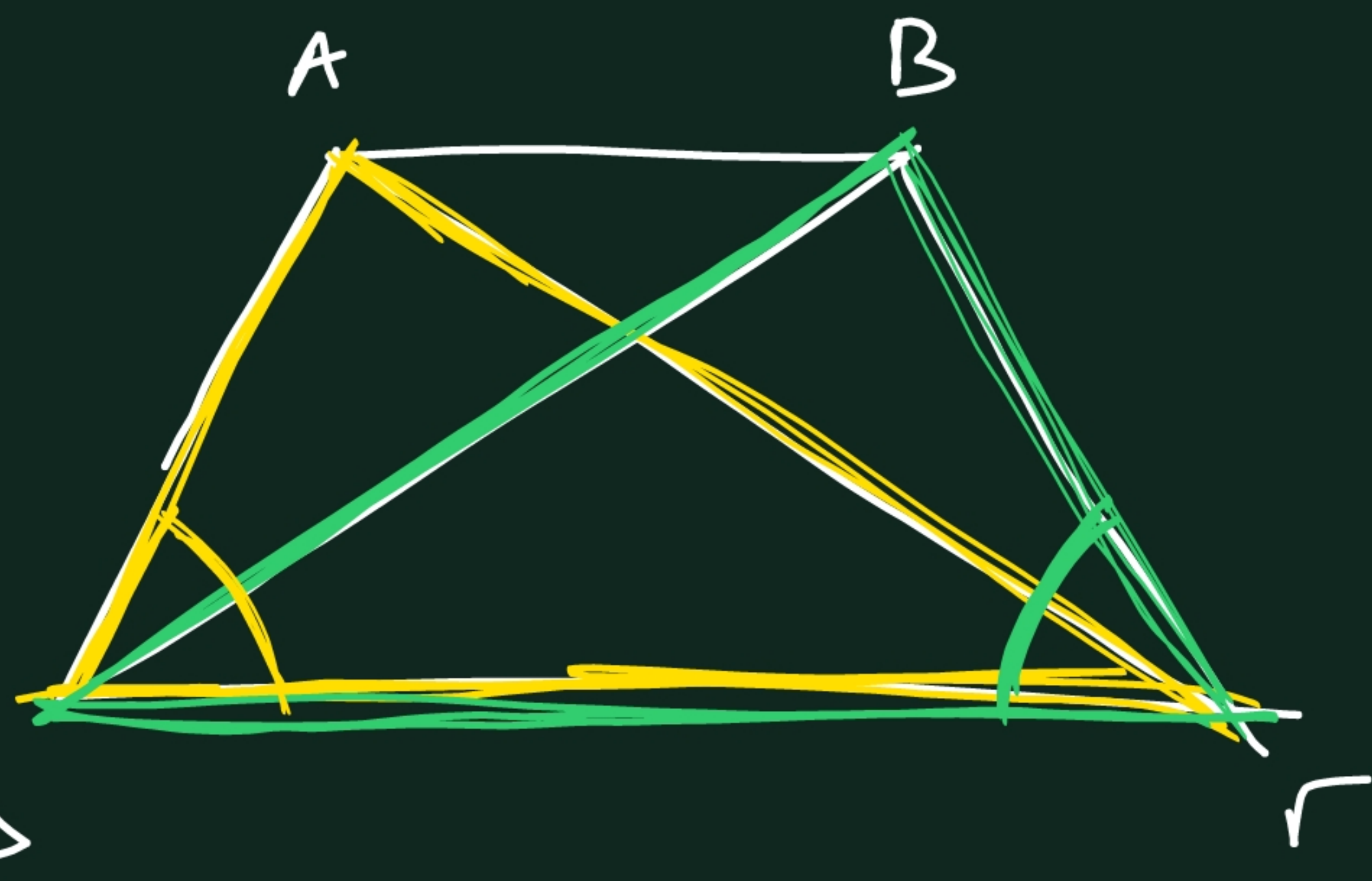
$$AD = BC \text{ (γ)}$$

$$\overset{\Delta}{A} \overset{\Delta}{E} \Gamma = \overset{\Delta}{B} \overset{\Delta}{Z} \Gamma \Rightarrow \hat{\Gamma} = \hat{\Delta}$$

Ιβςςιν και το αντίστροφο.



γ	$AB \parallel CD$ $\hat{\Gamma} = \hat{\Delta}$
Σ	$AD = BC$



$$\triangle A\Gamma\Delta \quad \triangle B\Gamma\Delta$$

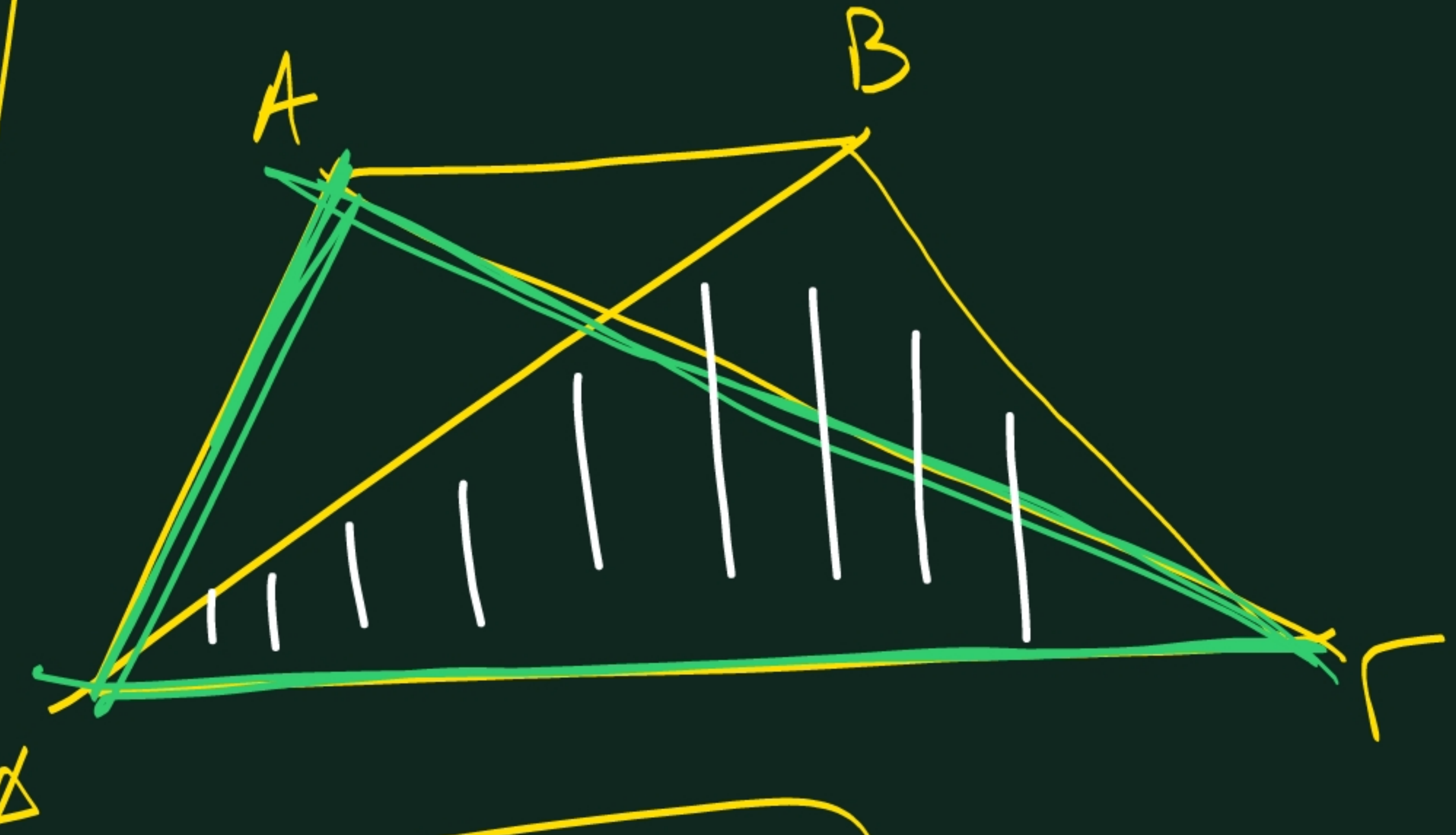
$$A\Delta = B\Gamma (\gamma)$$

$$\Delta\Gamma = \Delta\Gamma (\text{κοινή})$$

$$\hat{A}\Delta\Gamma = \hat{B}\Gamma\Delta (\text{ηρόγκη κεντρ. γων. βλ. 1606 κ. 24202})$$

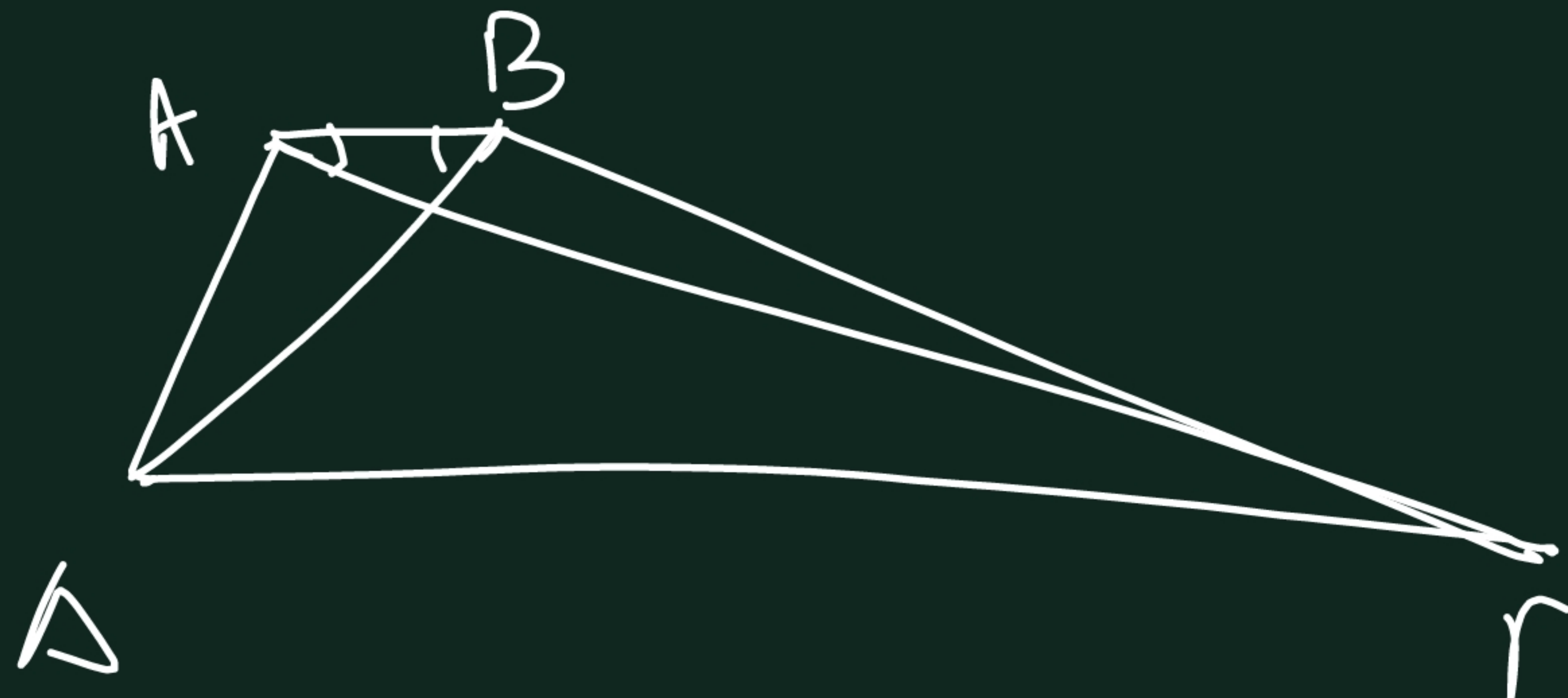
$$\triangle A\Gamma\Delta = \triangle B\Gamma\Delta \Rightarrow A\Gamma = B\Delta$$

16x15 κεντρ. γων. 24202

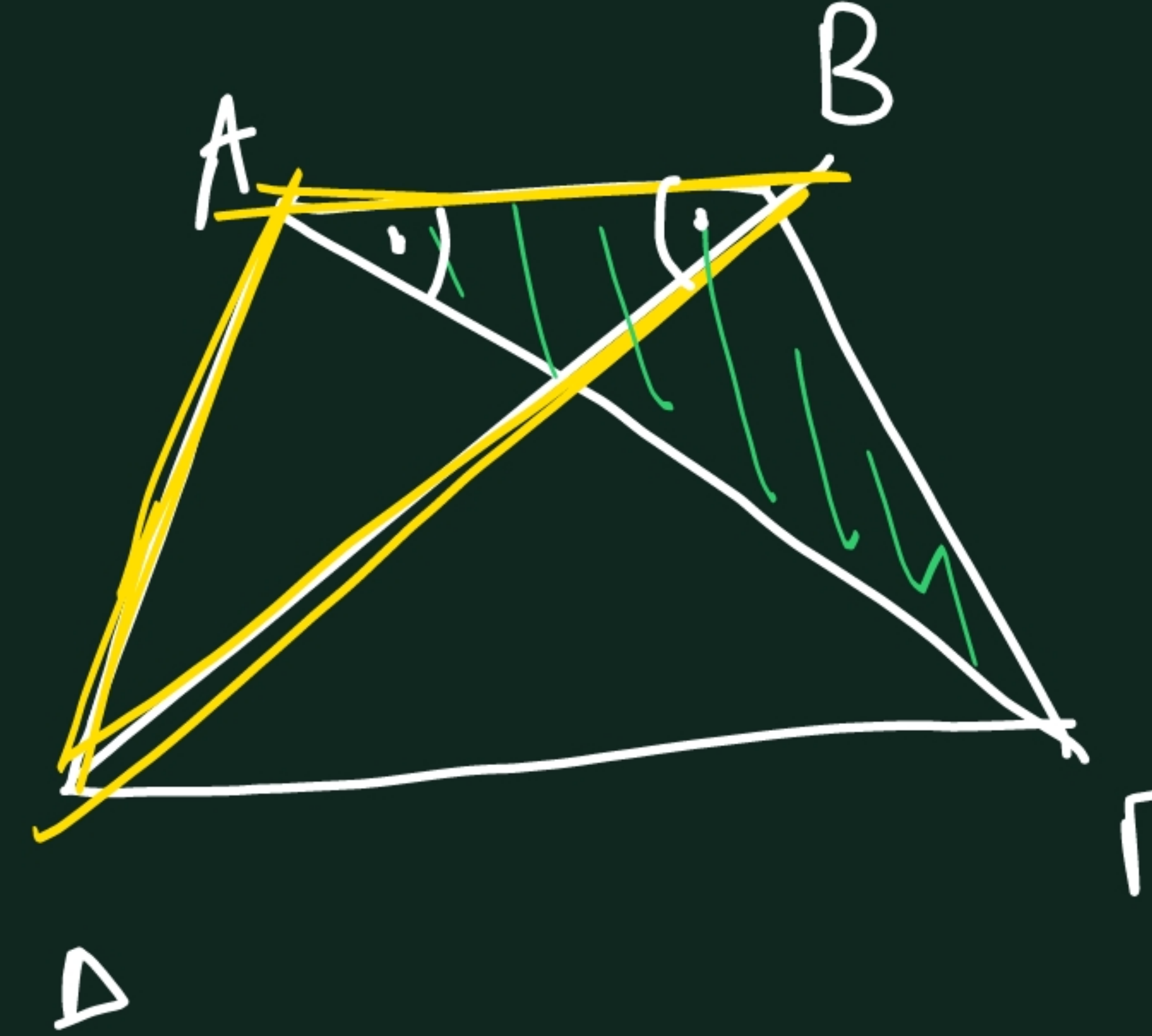


γ	$AB \parallel \Gamma\Delta$
	$A\Delta = B\Gamma$

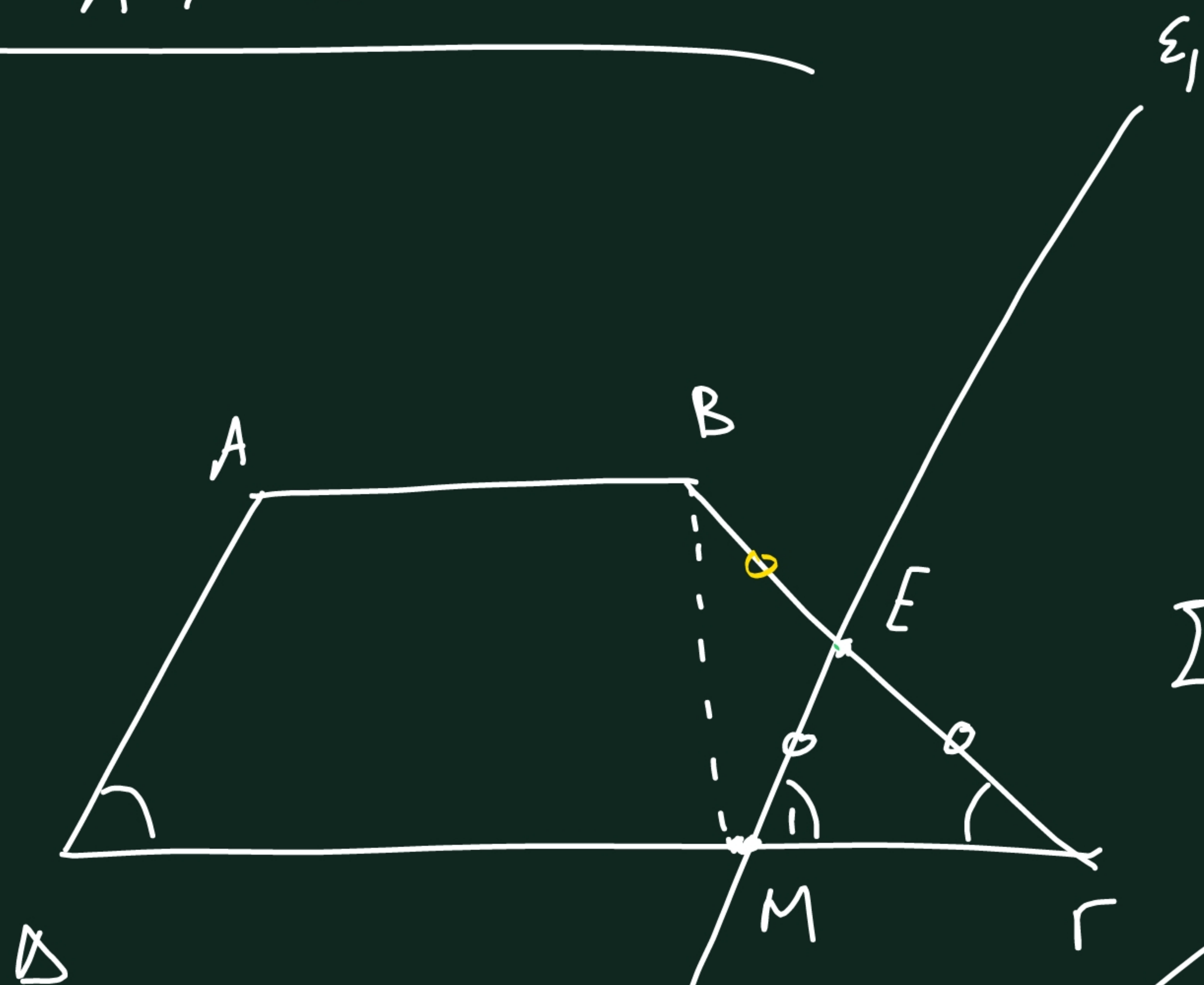
Σ	$A\Gamma = B\Delta$
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γ	$AB \parallel \Gamma\Delta$
	$A\Gamma = B\Delta$
Σ	$A\Delta = B\Gamma$



5-A / ΣΕΛ. 120



$$\hat{M}_1 = \hat{\Delta} \text{ (ε.ε.ε.γ.α. ε}_1 // AD \text{)}$$

$$\hat{\Delta} = \hat{\Gamma} \text{ (η.ρ.ο.β.κ. ε.μ. θ.α.ε.μ. ι.ο.β.κ. ε.μ. α.ν.α.ε.ς)}$$

$$\Rightarrow \hat{M}_1 = \hat{\Gamma} \Rightarrow \hat{\Gamma} M \Gamma \text{ ι.ο.β.κ.} \Rightarrow ME = EG = BE$$

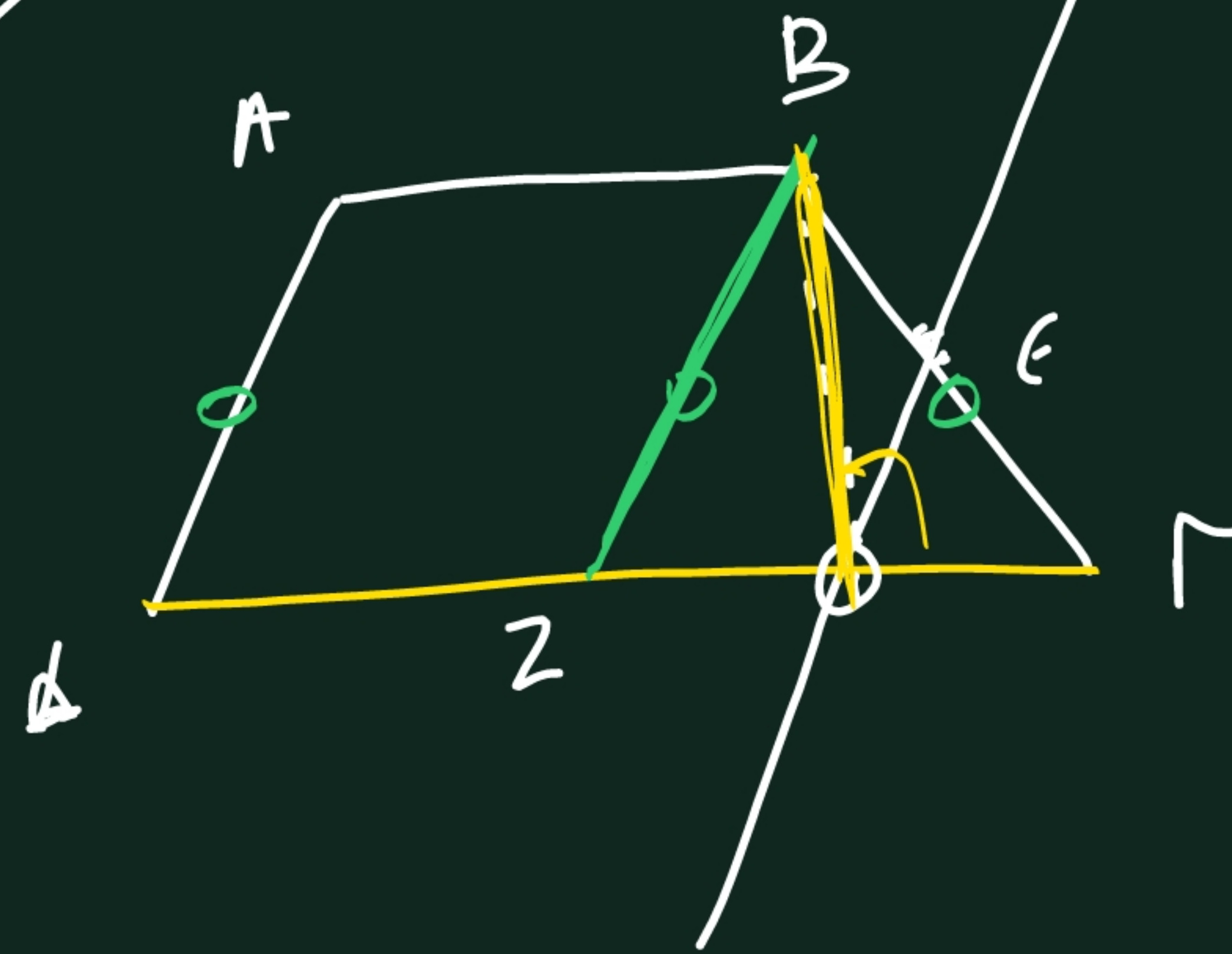
$$\hat{\Delta} \hat{B} M \Gamma : ME \text{ δι.α.τ.ε.ς} \Rightarrow \hat{B} M \Gamma = 90^\circ$$

$$ME = \frac{BE}{2}$$

γ $AB // \Gamma \Delta$
 $AD = BE$
 $E \text{ η.α.ε.} BE$
 $EM // AD$
 Σ $\hat{B} M \Gamma = 90^\circ$

ε.μ. α.ν.α.ε.ς

φ.ε.ρ.ν.ω $BZ // AD$



Σρωιν 6ε15 Σ-Λ.

1) Av για $\int \epsilon_{\mu\nu\rho\sigma}$