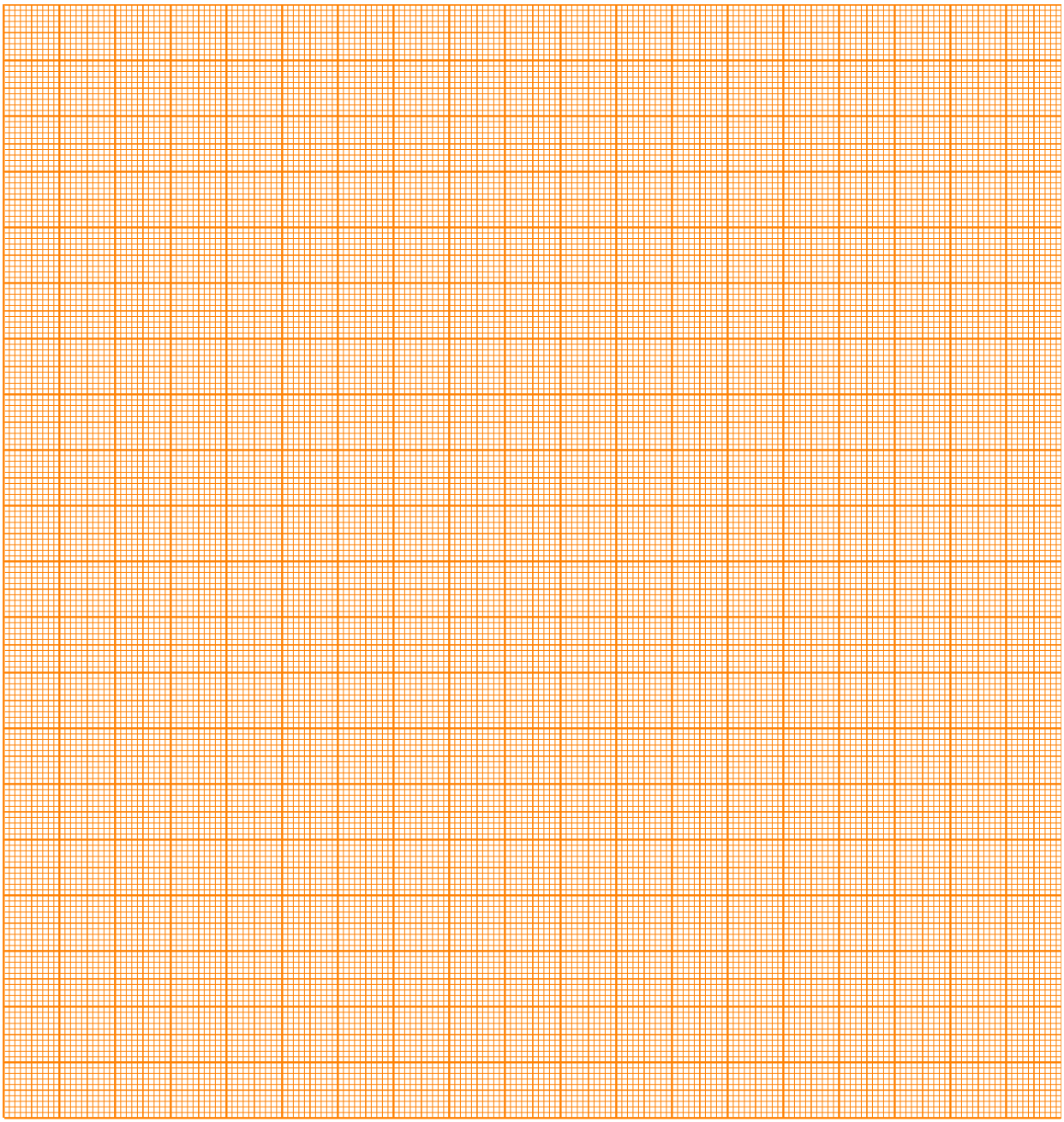
Springende korrels (10 punten)

Onderdeel A. Kritische excitatie amplitude (3,3 punten)

A.1 (1.2 pt)

A_D	N_1	N_2			

A.2 (1.1 pt)
Grafiek A.2: N_1, N_2 vs. A_D



A.3 (1.0 pt)

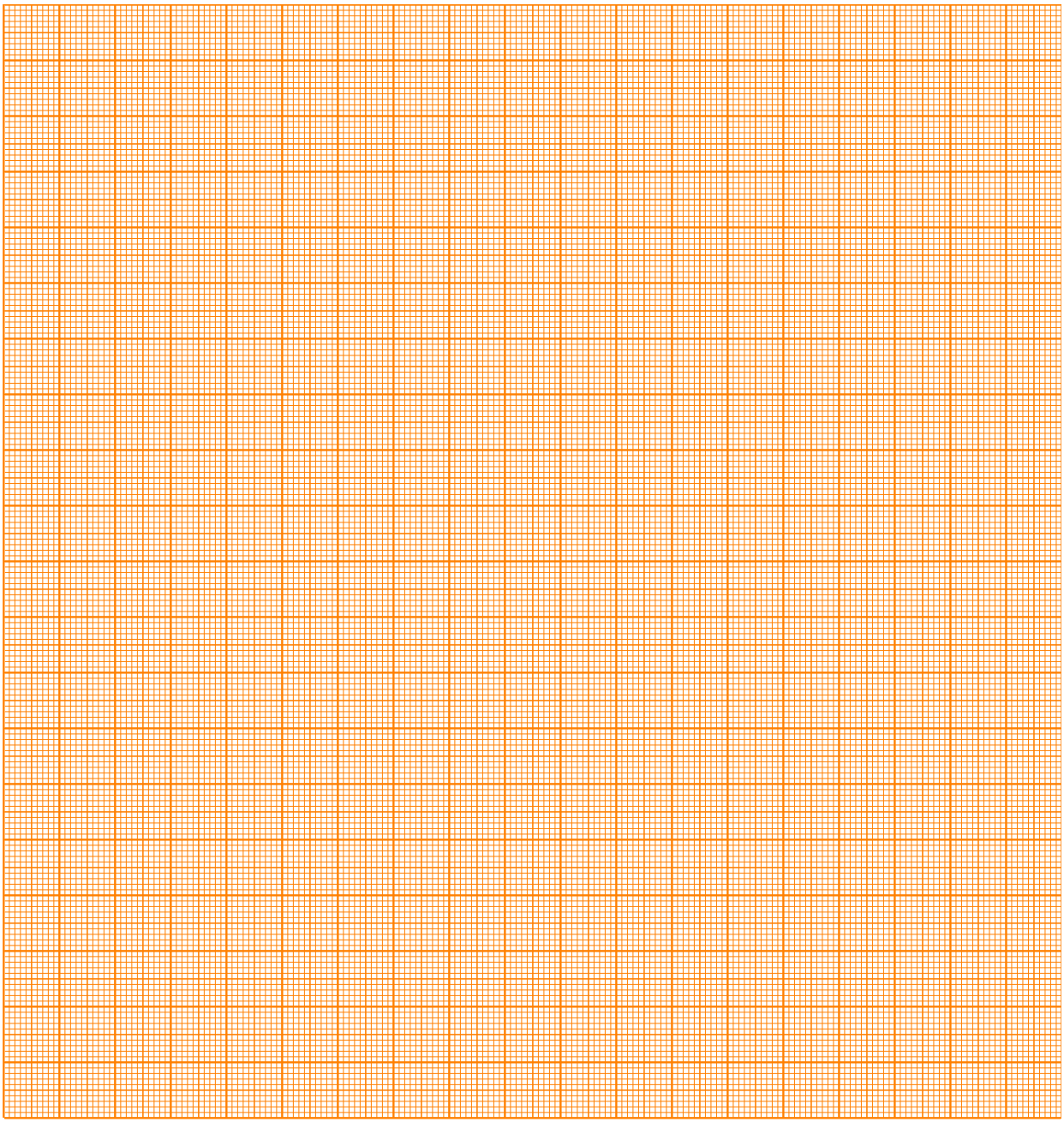
$A_{D,\,\mathrm{crit.}} =$

Onderdeel B. Calibratie (3,2 punten)

B.1 (0.5 pt)
Schets van de opstelling:

B.2 (0.8 pt)

B.3 (1.0 pt)
Grafiek B.3: A vs. A_D



B.4 $(0.8\ \mathrm{pt})$
Functie $A(A_D)$:

Parameters van de curve:

B.5 $(0.1\ \mathrm{pt})$

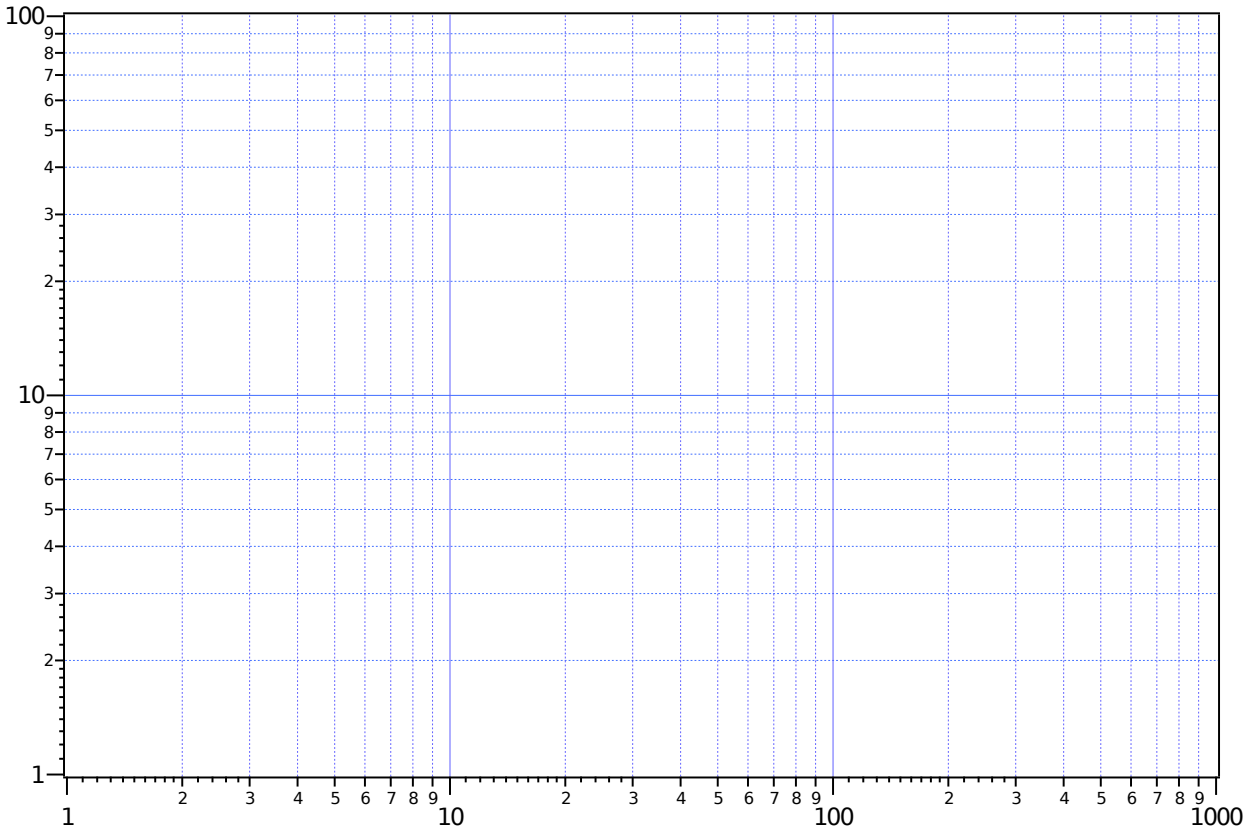
$A_{\mathrm{crit.}} =$

Onderdeel C. Kritische exponent (3,5 punten)

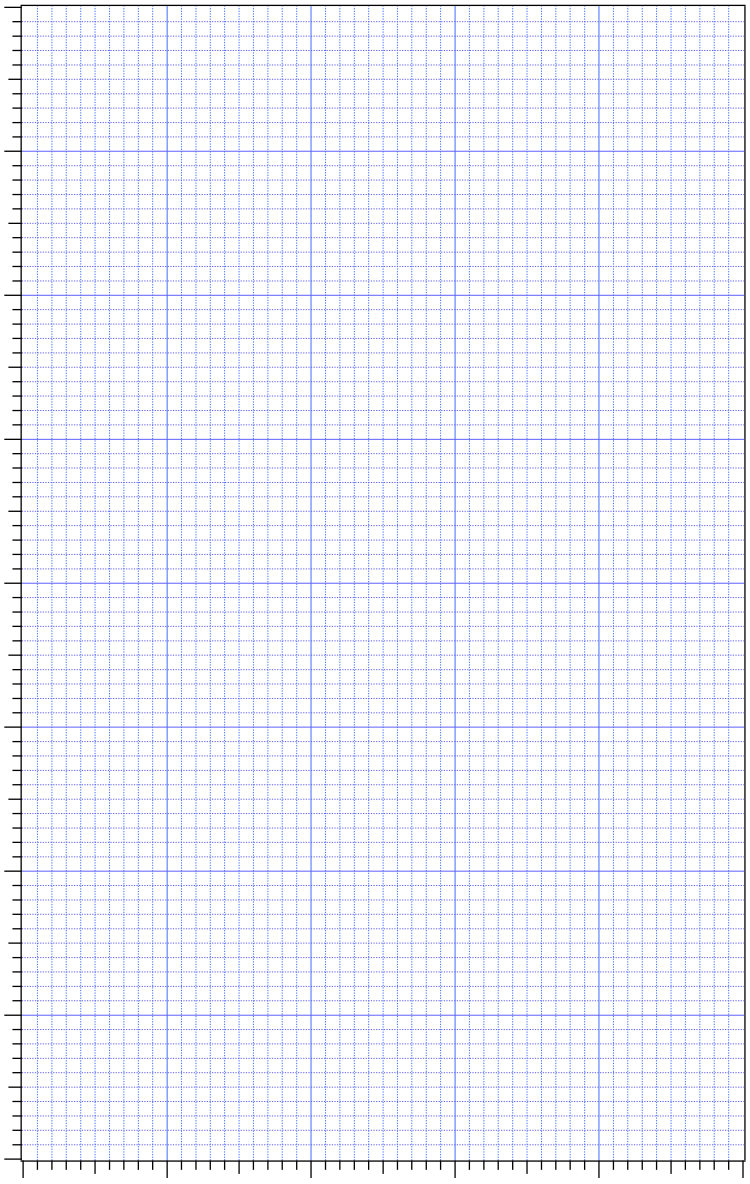
C.1 (1.1 pt)

C.2 (1.0 pt)
Geef $\frac{N_1-N_2}{N_1+N_2}$ vs. $\left|A^2-A_c^2\right|$ weer in **Grafiek C.2a** of **Grafiek C.2b**.

Grafiek C.2a dubbel logaritmisch papier



Grafiek C.2b lineair papier



C.3 (1.4 pt)
$b =$

$\Delta b =$