



Mathe-Notizen für Selbststudium

1. Auflage

vom 19. Februar 2017



Jens Kallup

Langensalzer Str. 30
99817 Eisenach
Tel.: 03691 /
E-Mail: jkallup@web.de

Inhalt:
Eigene Gedanken
zu: de.sci.mathematik

























































Vorwort

















































































































































































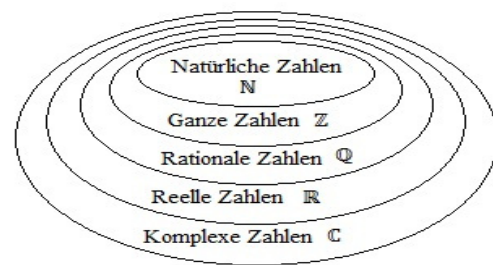








Grundlagen











Zahlen und Zah-











































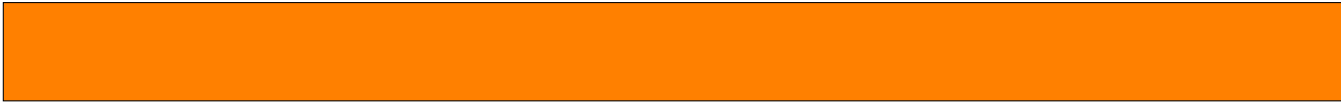












































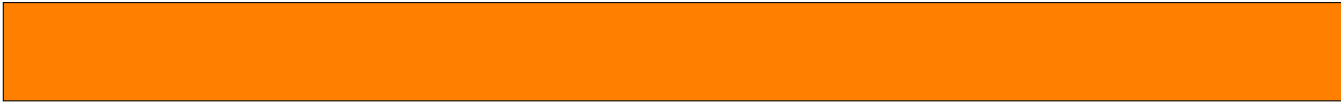
































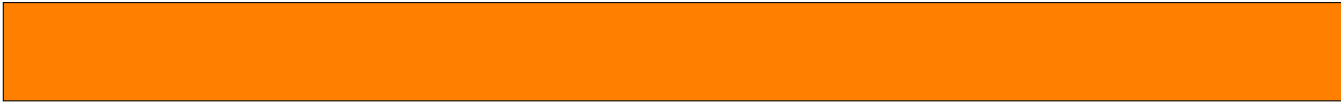












































































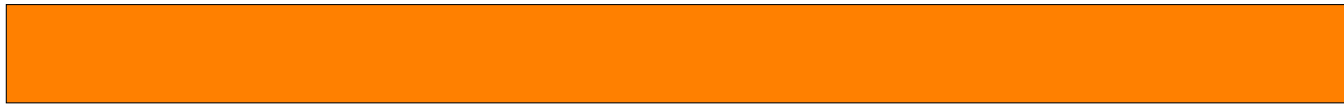






























































































































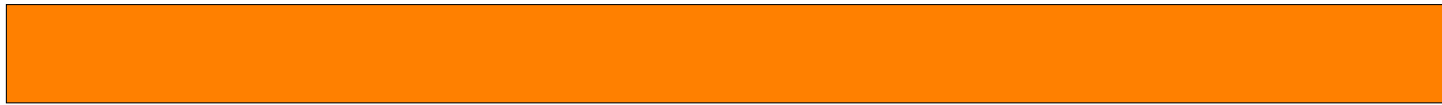










































































































































































































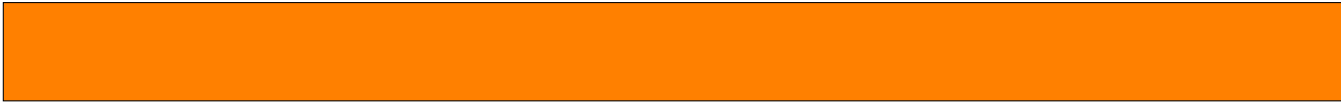












































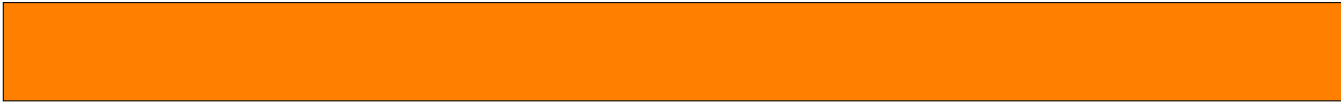












































































































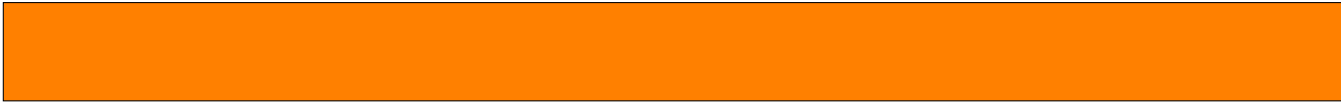








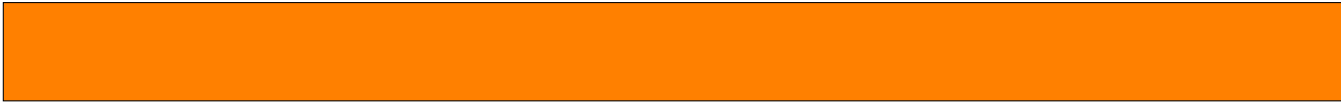
























































































































































































































































































































































































































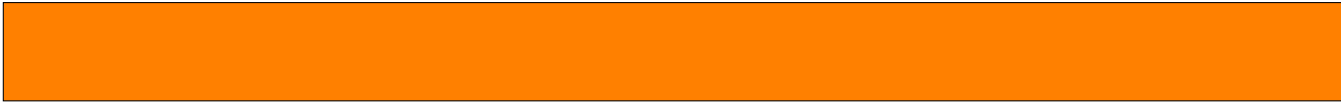




























































































































































































































































































































































































































































































































































































































$$x^2 =$$

































































































$$i^2 =$$































































$$\sqrt[n]{e^{i\phi}} = e^{i*\left(\frac{\phi}{n} + k*2*\frac{\pi}{n}\right)}$$























































































$$i^2 =$$



































































$$\sqrt[2]{1-1*\phi} = 1^{-1*(\frac{\phi}{2}+0*2*\frac{\pi}{2})}$$





$$\sqrt[2]{1-1*\phi} = 1^{-1*(\frac{\phi}{2}+0*2*1.57)}$$





$\sqrt[2]{1-\phi} = \frac{1*2}{1} * \frac{\phi}{2} | 2 \text{ und } 2 \text{ kürzt sich weg. } (\phi =$







$$\sqrt[2]{1^{-1}} = 1 * 1$$





$$\sqrt[2]{1} = 1 =$$



$$\sqrt[2]{1} =$$

























$$(e^{2*i*\pi})^{\frac{1}{2}} =$$





$$e^{2*i*\pi)^{\frac{1}{2}}} =$$



$$(e^{2*i*\pi}*$$



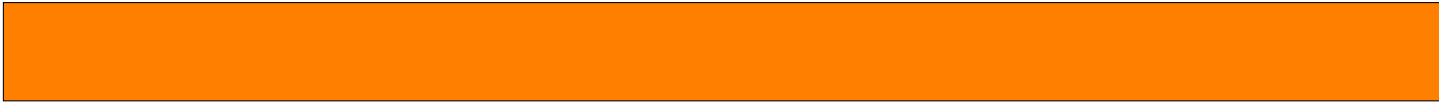
$$e^{2*i*\pi)^{\frac{1}{2}}} =$$



$$(e^{4*i*\pi})^{\frac{1}{2}} =$$











$$(e^{2*i*\pi})^{\frac{1}{2}} =$$



$$\left(e^{4*i*\pi}\right)^{\frac{1}{2}}$$







$$(1^{2*-1*\pi})^{\frac{1}{2}} =$$



$$(1^{4*}-1*\pi)^{\frac{1}{2}}$$







$$(1^{2*-\pi})^{\frac{1}{2}} =$$



$$(1^{4*-\pi})^{\frac{1}{2}}$$







$$(-3.14)^{\frac{1}{2}} =$$



$$(-3.14)^{\frac{1}{2}}$$

















$$-1.57) =$$















































$$1 \left\{ \begin{matrix} 1 * -1 = -1 \\ \vdots \\ \vdots \end{matrix} \right\} =$$





























Mengen

























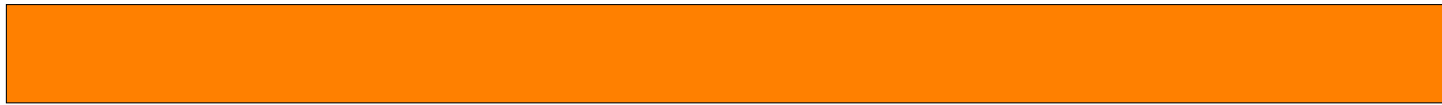


































































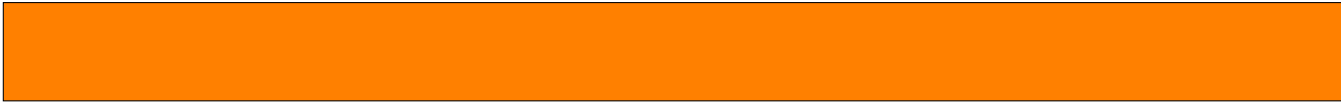








































































































































































































































































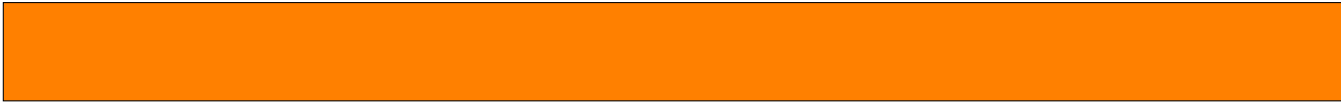
































































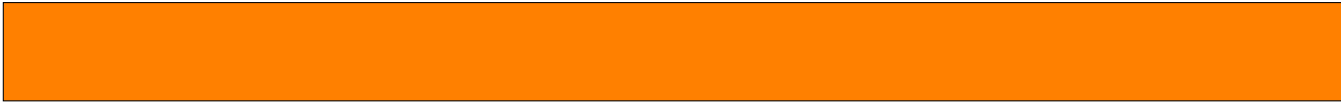
















$$\{z \leq$$































































































































Funktionen



















































































































































































































































































































































































































Die linke Mengen wird als Definitions(menge)







A → B



A → B



A → B















































































































































































































































































































































































































































































































































































