

formae  $4n + 1$ , per  $b, b', b''$  etc. numeros primos formae  $4n + 3$  denotabimus; per  $A, A', A''$  etc. numeros quoscunque formae  $4n + 1$ , per  $B, B', B''$  etc. autem numeros quoscunque formae  $4n + 3$ ; tandem litera  $R$  duabus quantitatibus interposita indicabit, priorem sequentis esse residuum, sicuti litera  $N$  significationem contrariam habebit. Ex. gr.  $+ 5R11$ ,  $\pm 2N5$ , indicabit  $+ 5$  ipsius  $11$  esse residuum,  $+ 2$  vel  $- 2$  esse ipsius  $5$  non-residuum. Iam collato theoremate fundamentalis cum theorematibus art. 111, sequentes propositiones facile deducuntur.

Si	erit
1. $\pm aRa'$ .....	$\pm a'Ra$
2. $\pm aNa'$ .....	$\pm a'Na$
3. $\left[ \begin{array}{l} + aRb \\ - aNb \end{array} \right]$ .....	$\pm bRa$
4. $\left[ \begin{array}{l} + aNb \\ - aRb \end{array} \right]$ .....	$\pm bNa$
5. $\pm bRa$ .....	$\left[ \begin{array}{l} + aRb \\ - aNb \end{array} \right]$
6. $\pm bNa$ .....	$\left[ \begin{array}{l} + aNb \\ - aRb \end{array} \right]$
7. $\left[ \begin{array}{l} + bRb' \\ - bNb' \end{array} \right]$ .....	$\left[ \begin{array}{l} + b'Nb \\ - b'Rb \end{array} \right]$
8. $\left[ \begin{array}{l} + bNb' \\ - bRb' \end{array} \right]$ .....	$\left[ \begin{array}{l} + b'Rb \\ - b'Na \end{array} \right]$

# Disquisitiones Arithmeticae

**Carl Friedrich Gauss**



## **Disquisitiones Arithmeticae:**

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**Disquisitiones arithmeticae** Carl Friedrich Gauß, 1966      **Disquisitiones arithmeticae** Carl Friedrich Gauss, 1995

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Schappacher, Joachim Schwermer, 2007-02-03 Since its publication C F Gauss's *Disquisitiones Arithmeticae* 1801 has acquired an almost mythical reputation standing as an ideal of exposition in notation problems and methods as a model of organisation and theory building and as a source of mathematical inspiration Eighteen authors mathematicians historians philosophers have collaborated in this volume to assess the impact of the *Disquisitiones* in the two centuries since its publication      Disquisitiones Arithmeticae Carl Friedrich Gauss, Arthur Charles Clarke, 1986      **The Shaping of**

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India Islam Maya Medieval Europe The Scientific Revolution Modern Mathematics The Future Bibliography Index **Karl**  
**Fredrich Gauss' Untersuchungen über höhere Arithmetik** Carl Friedrich Gauss, 1889

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