Main equations

\[ a = \frac{N}{A} \]  

(1)

The equation \( \sigma = ma \) follows easily.

Nomenclature

- \( \sigma \)  The total mass of angels per unit area \( \text{kg m}^{-2} \)
- \( A \)  The area of the needle point \( \text{m}^2 \)
- \( a \)  The number of angels per unit area \( \text{m}^{-2} \)
- \( m \)  The mass of one angel \( \text{kg} \)
- \( N \)  The number of angels per needle point