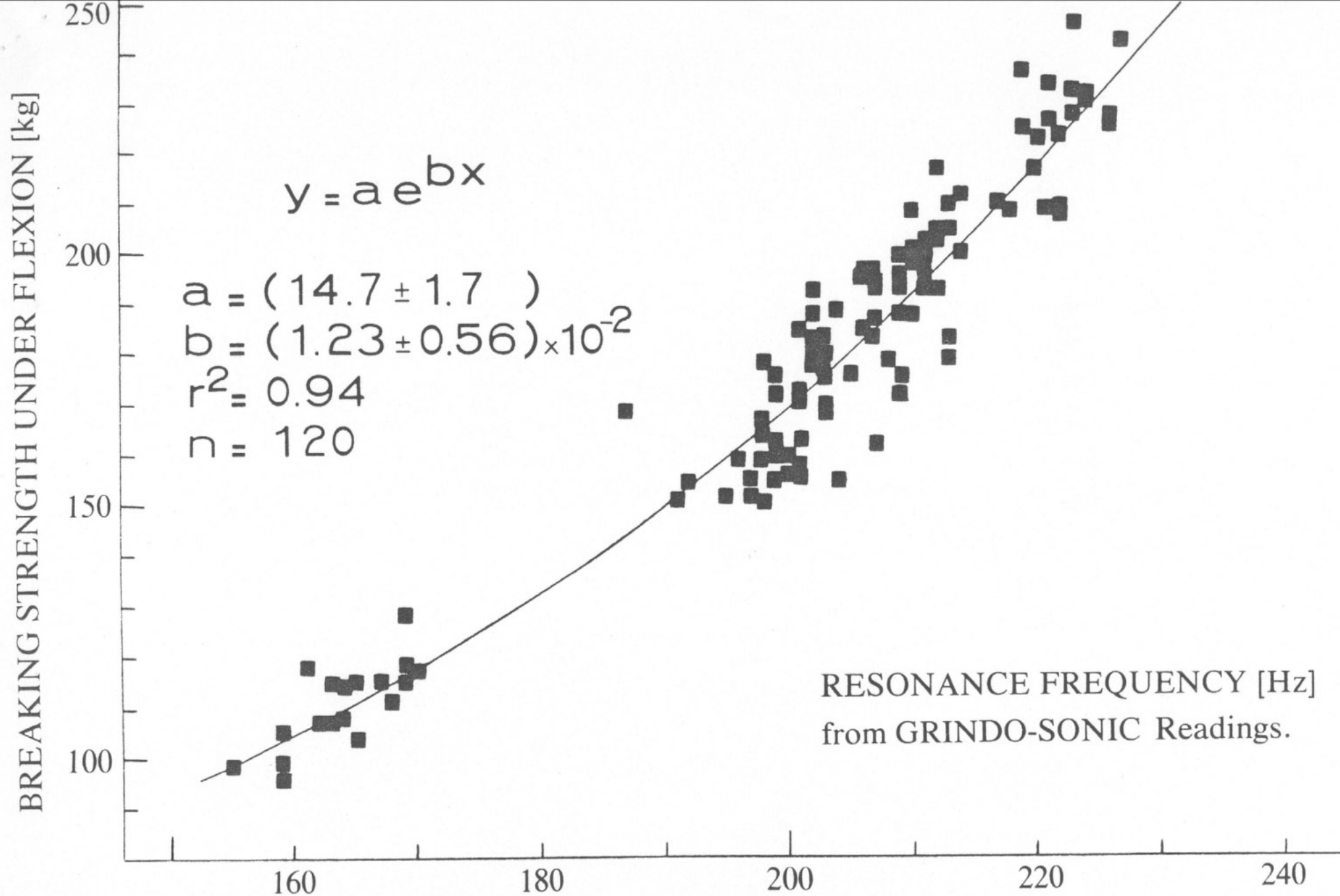
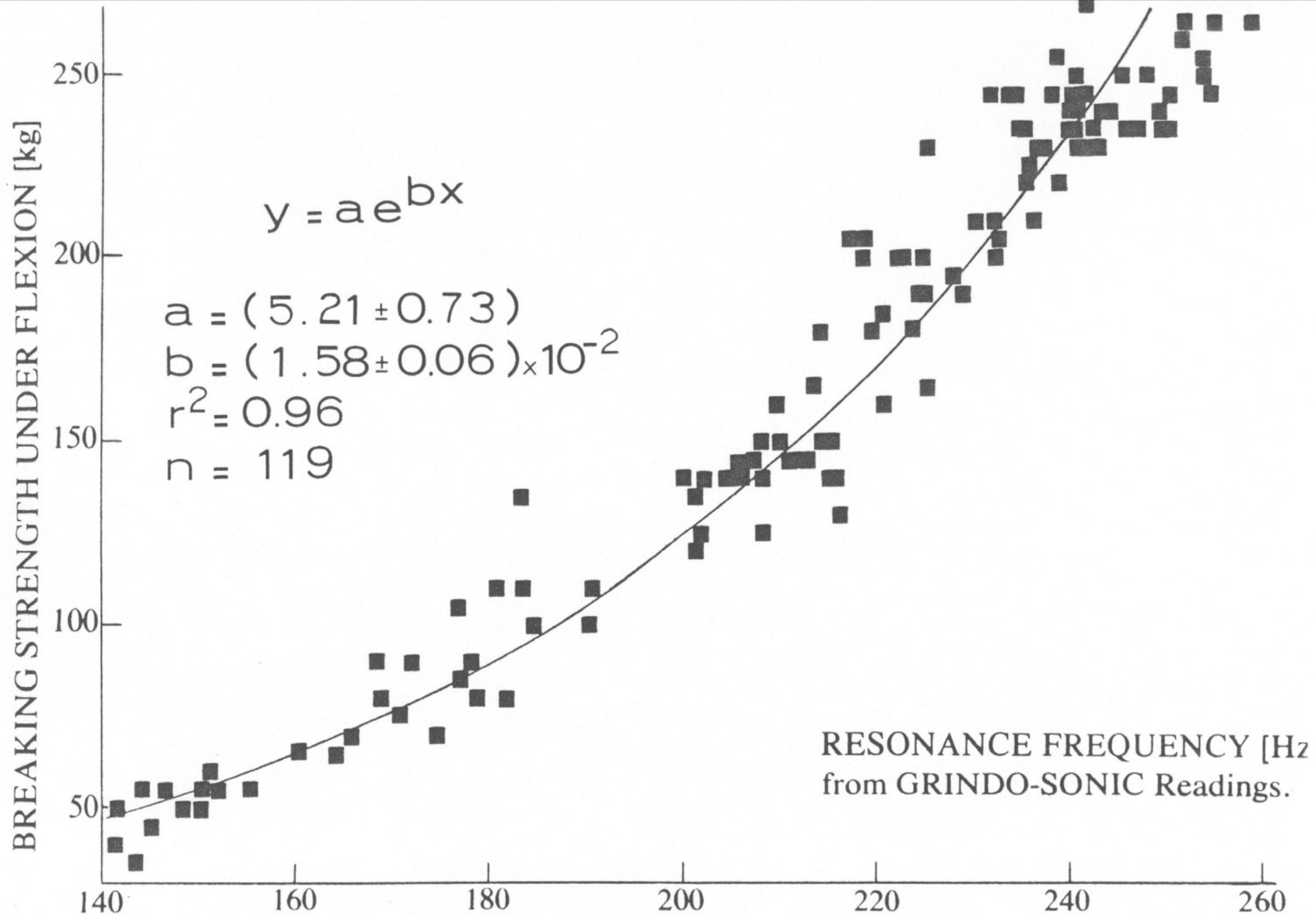




Correlation between the Breaking Strength during Flexion vs. the GRINDO-SONIC Reading for tiles



Correlation between the Breaking Strength during Flexion vs. the GRINDO-SONIC Reading for tile

BREAKING STRENGTH UNDER FLEXION [kg]

$$y = a e^{bx}$$

$$a = (7.7 \pm 0.8)$$

$$b = (1.40 \pm .06) \times 10^{-2}$$

$$r^2 = 0.96$$

$$n = 119$$

RESONANCE FREQUENCY [Hz]
from GRINDO-SONIC Readings.

140

160

180

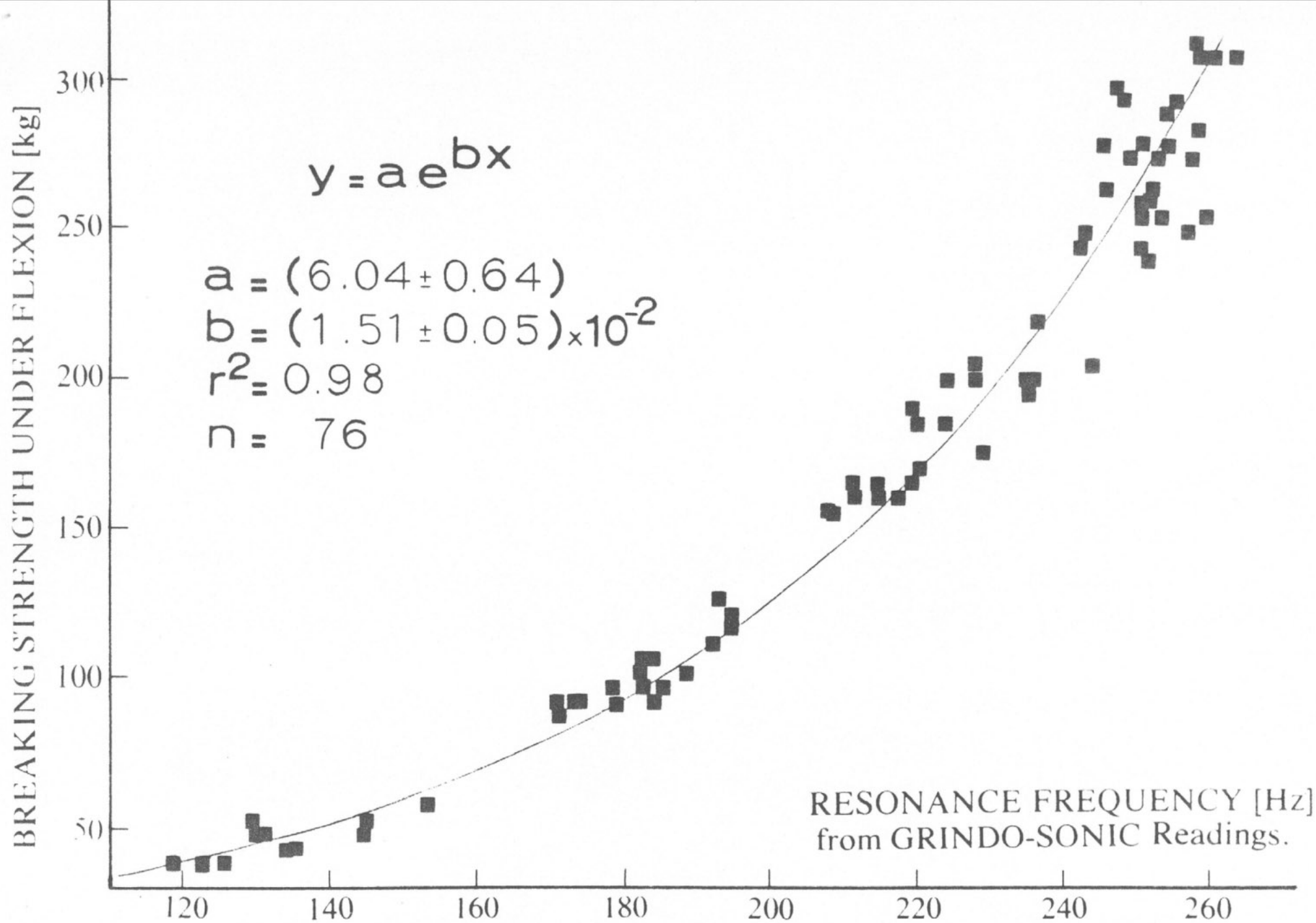
200

220

240

260

Correlation between the Breaking Strength during Flexion vs. the GRINDO-SONIC Reading for tile



Correlation between the Breaking Strength during Flexion vs. the GRINDO-SONIC readings for 76

CORRELATION CHARGE A LA RUPTURE EN FLEXION - MODULE E

5 X 10²

400

300

200

100

CHARGE A LA RUPTURE (BARS)

$$y = ae^{bx}$$

n = 42	11/22
r ² = 0.96	
a = 4.02	
b = 0.109	

n = 9	16/32
r ² = 0.97	
a = 6.08	
b = 0.106	

FIG.3

E

MODULE E (D'APRES MESURES GRINDO-SONIC) (kN/mm2)

25

30

35

40

45

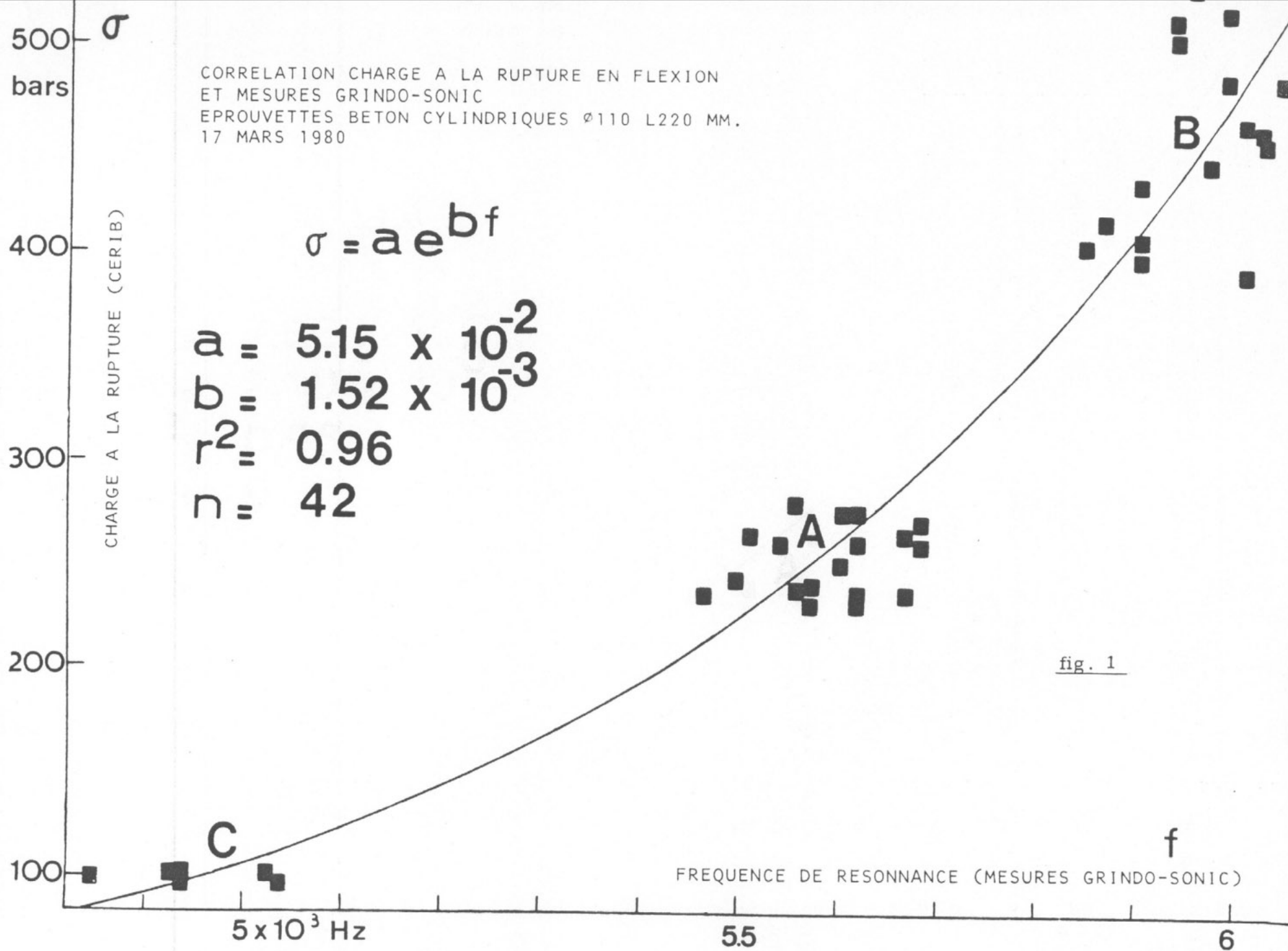


fig. 1