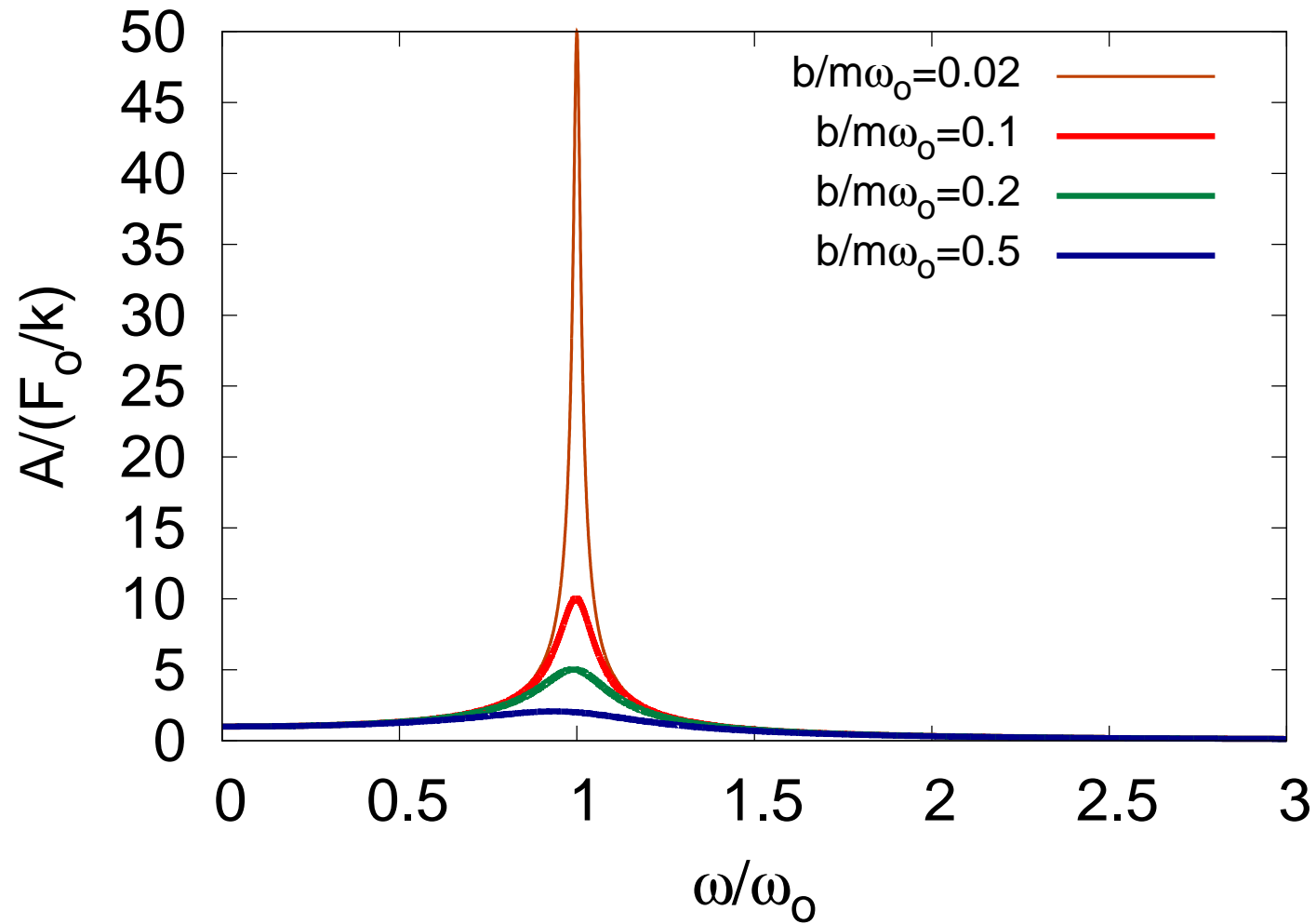
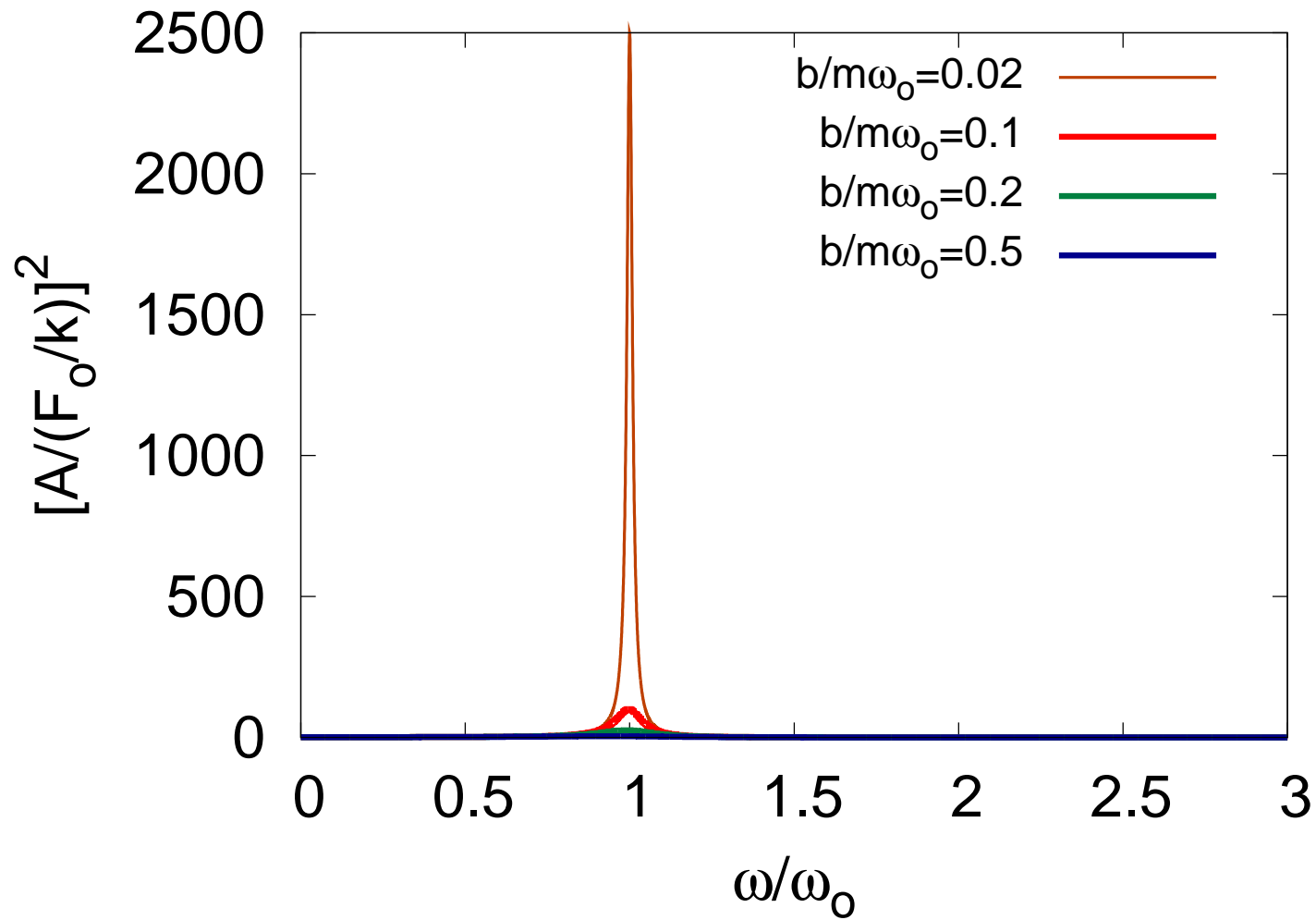


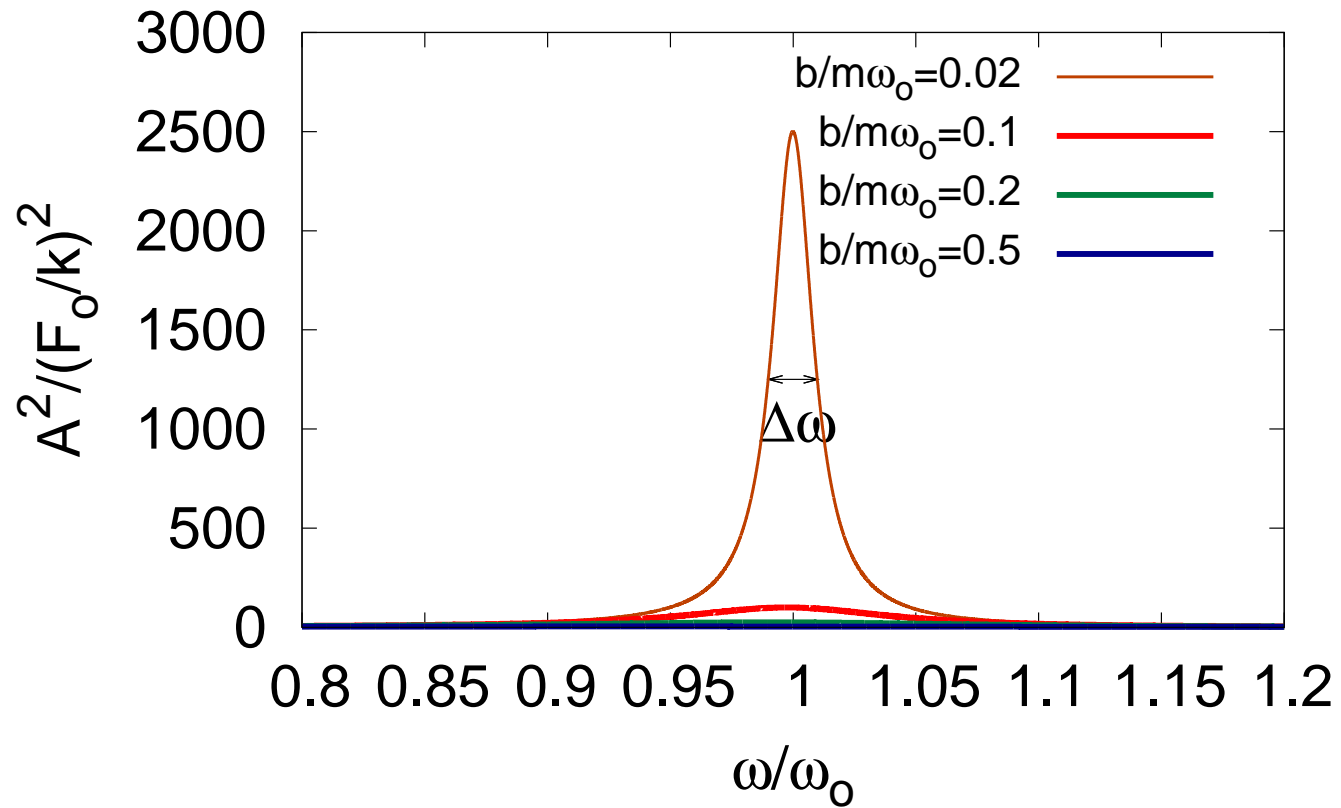
Realistic $Q \approx 50$ for a violin



Realistic $Q \approx 50$ for a violin, we also care about energy $\propto A^2$



A^2 proportional to energy in the oscillator



$$\frac{1}{Q} \approx \frac{\Delta\omega}{\omega} = \frac{\text{Full width at half maximum in } A^2 \text{ plot}}{\omega}$$

Rotational Motion

