

BK Precision 1666 DC power supply

- Rated to 40 V, 5 A
- What load resistance drops 40 V with a 5-A current?

$$R = V/I = 8 \Omega$$

- How much current can this power supply drive through a 20 Ω load?

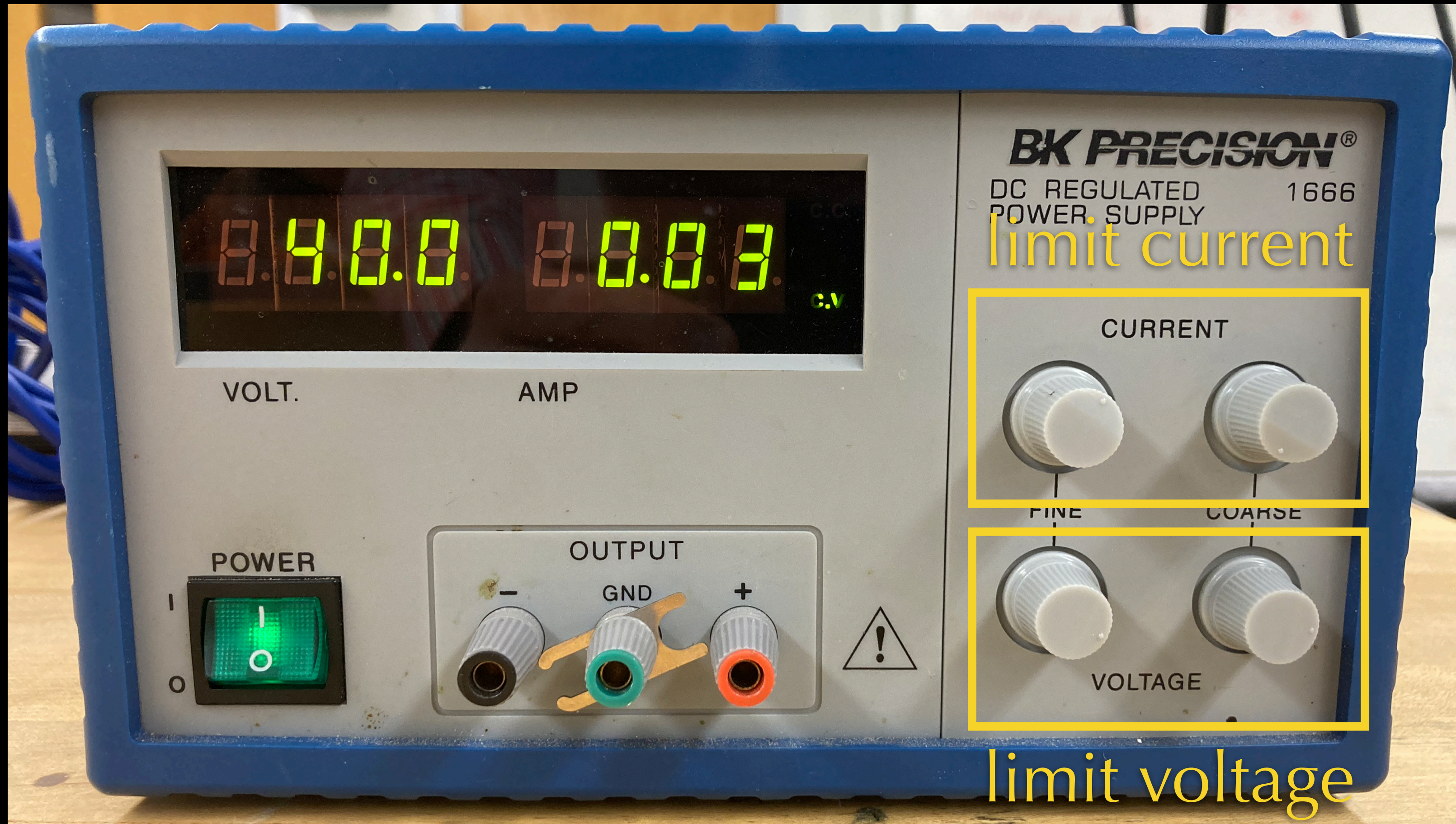
$$I = (40 \text{ V}) / (20 \Omega) = 2 \text{ A}$$

voltage limited

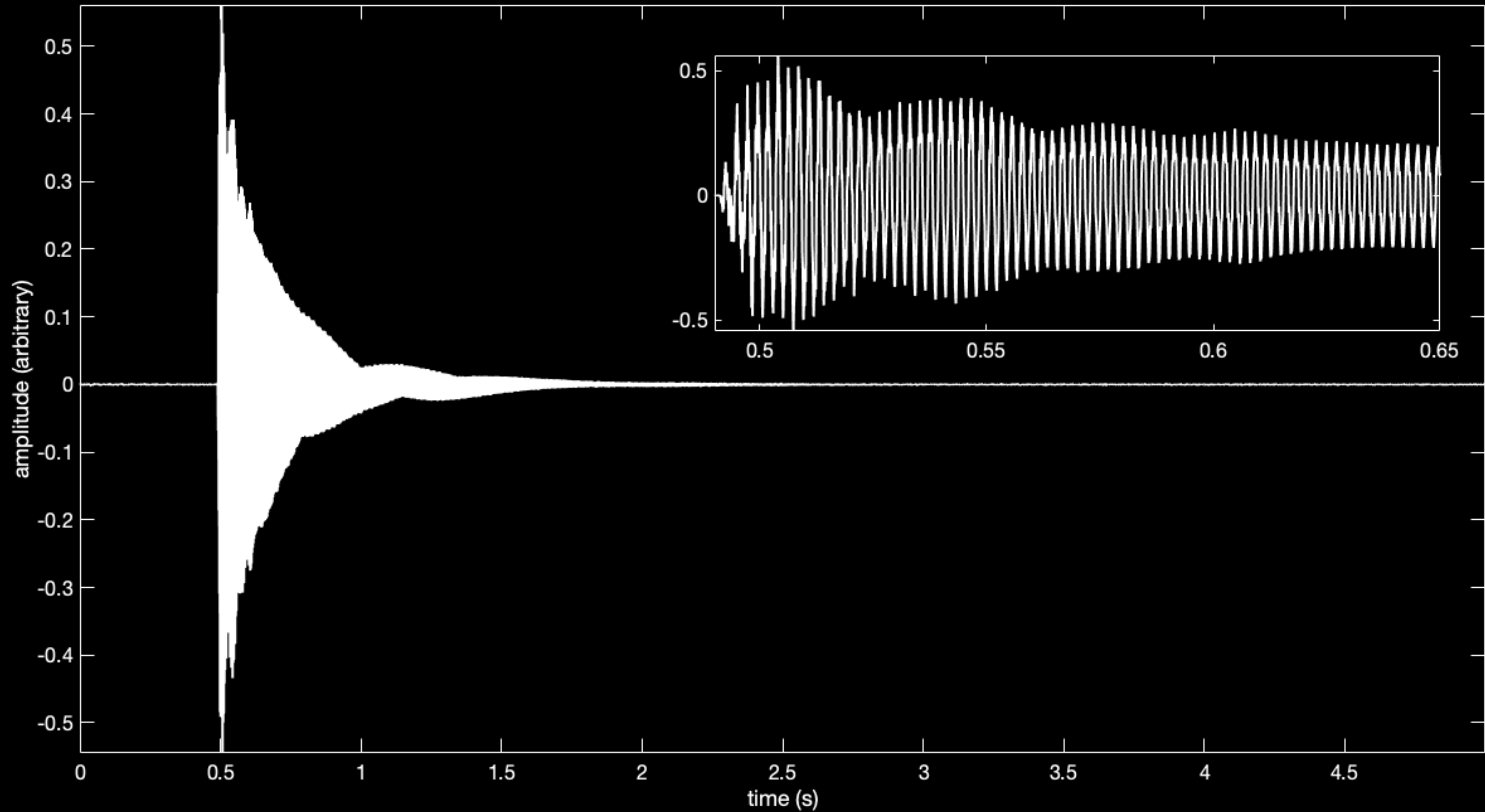
- How much voltage can this supply drop across a 4 Ω load?

$$V = (5 \text{ A})(4 \Omega) = 20 \text{ V}$$

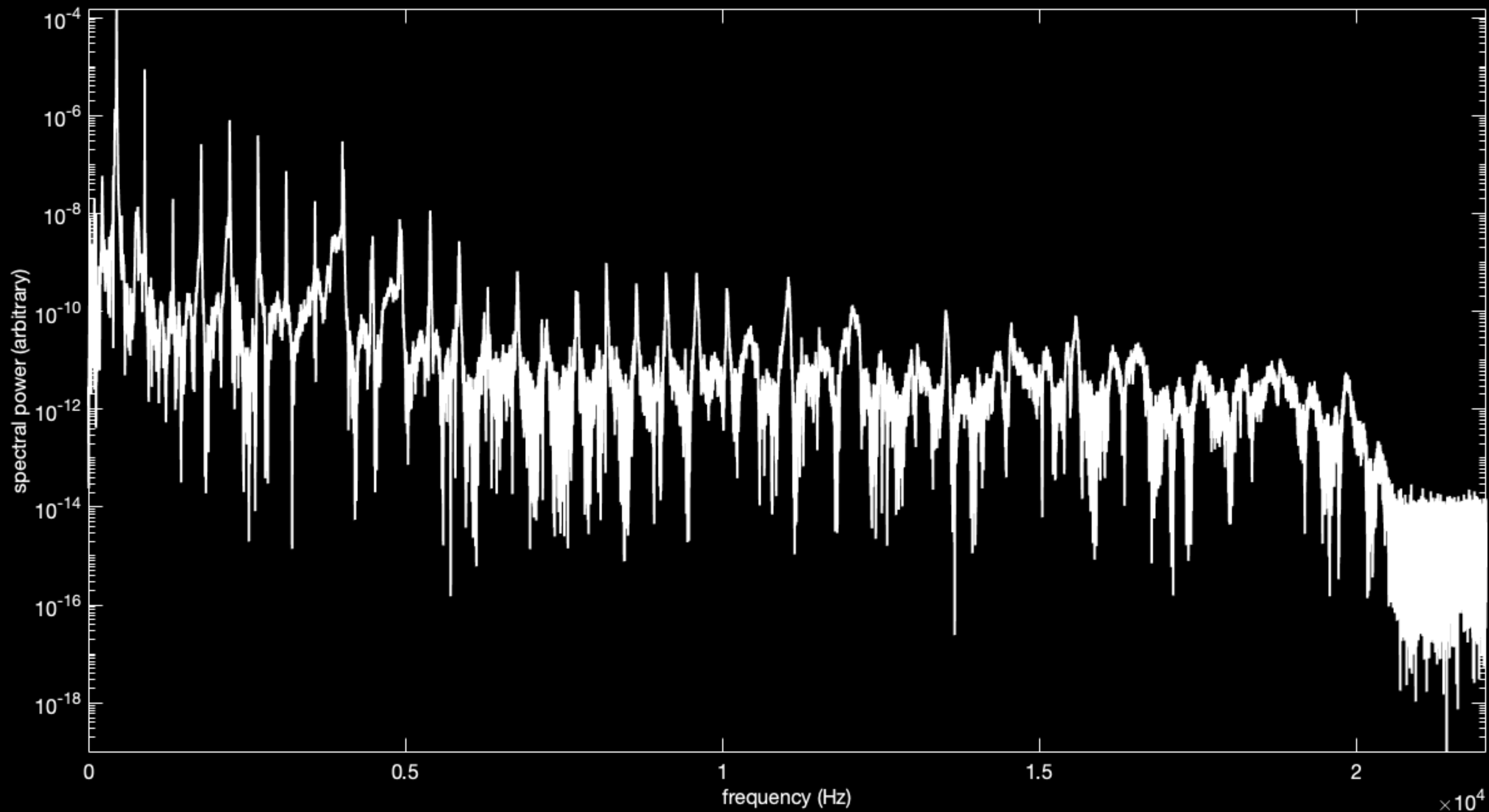
current limited



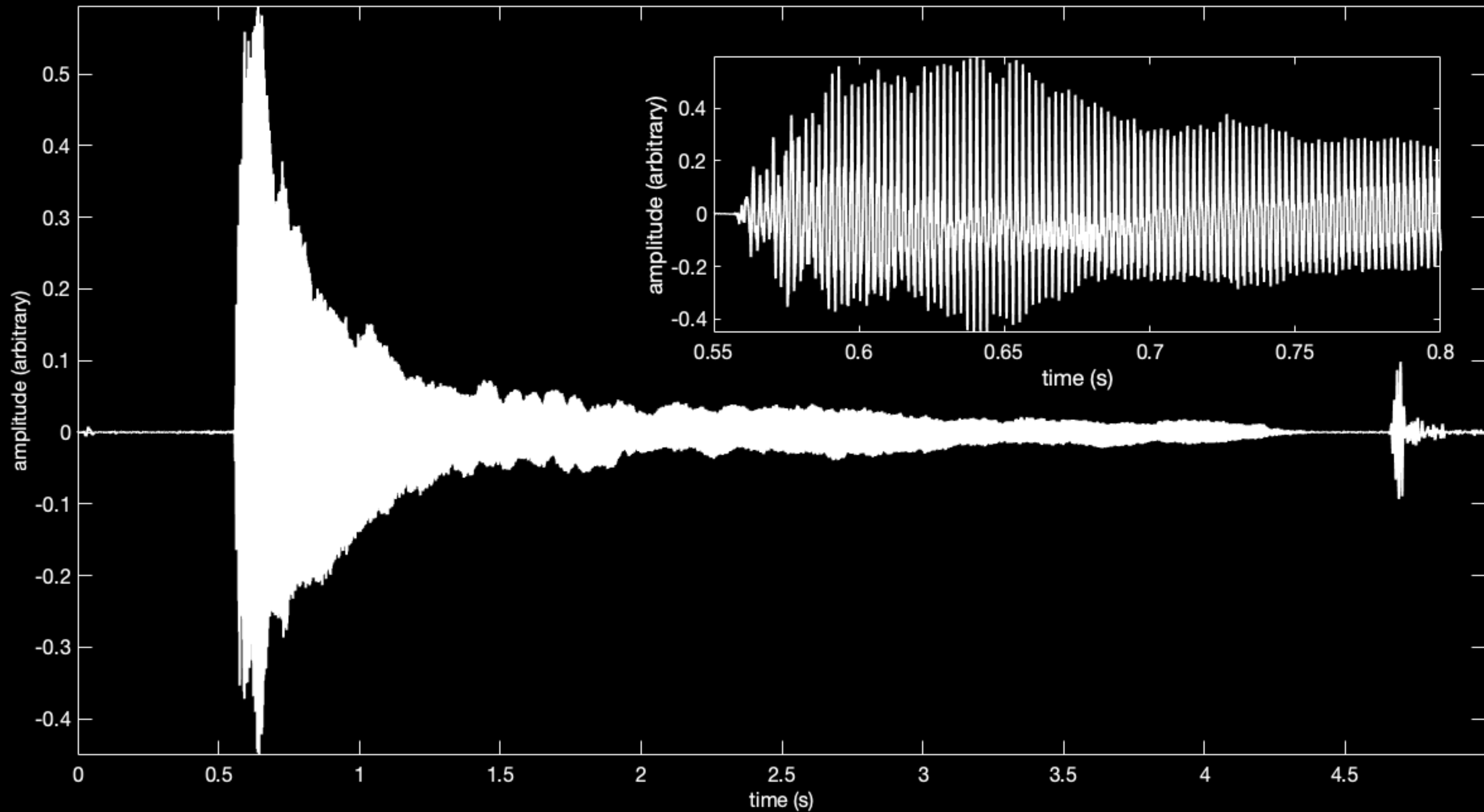
"A" note on ukelele



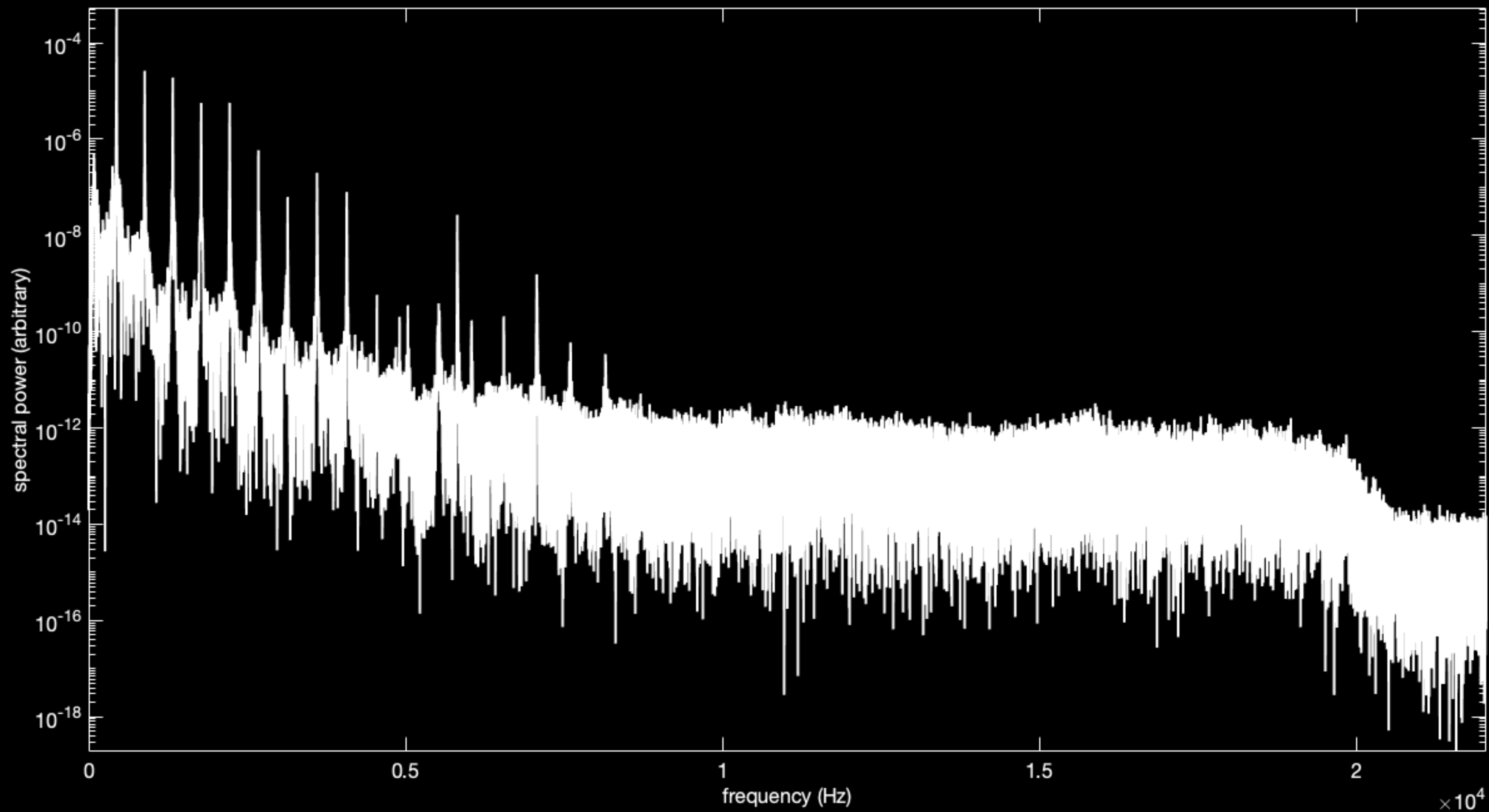
"A" note on ukelele



"A" note on piano



"A" note on piano



Aliasing when sampling rate fails the Nyquist criterion ³³

