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 Mechanical-to-electrical correspondence in the current analogy:

| Mechanical Variable | Electrical Variable |
|--|----------------------|
| Damping, c | Resistance, <i>R</i> |
| Stiffness ⁻¹ , <i>k</i> ⁻¹ | Capacitance, C |
| Mass, <i>m</i> | Inductance, L |
| Force, <i>f</i> | Voltage, V |
| Velocity, v | Current, I |



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→ Wiltzge is ghon by:
$$V \cdot \frac{\partial W(q, s)}{\partial q} \Big|_{q} = cond. = \frac{\partial}{\partial q} \left(\frac{1}{2} \frac{q^2}{cA} \cdot g \right)$$

$$= \frac{qq}{cA} \Rightarrow \sqrt{V \cdot \frac{q}{c}} \vee$$
(consident of whet we already know)