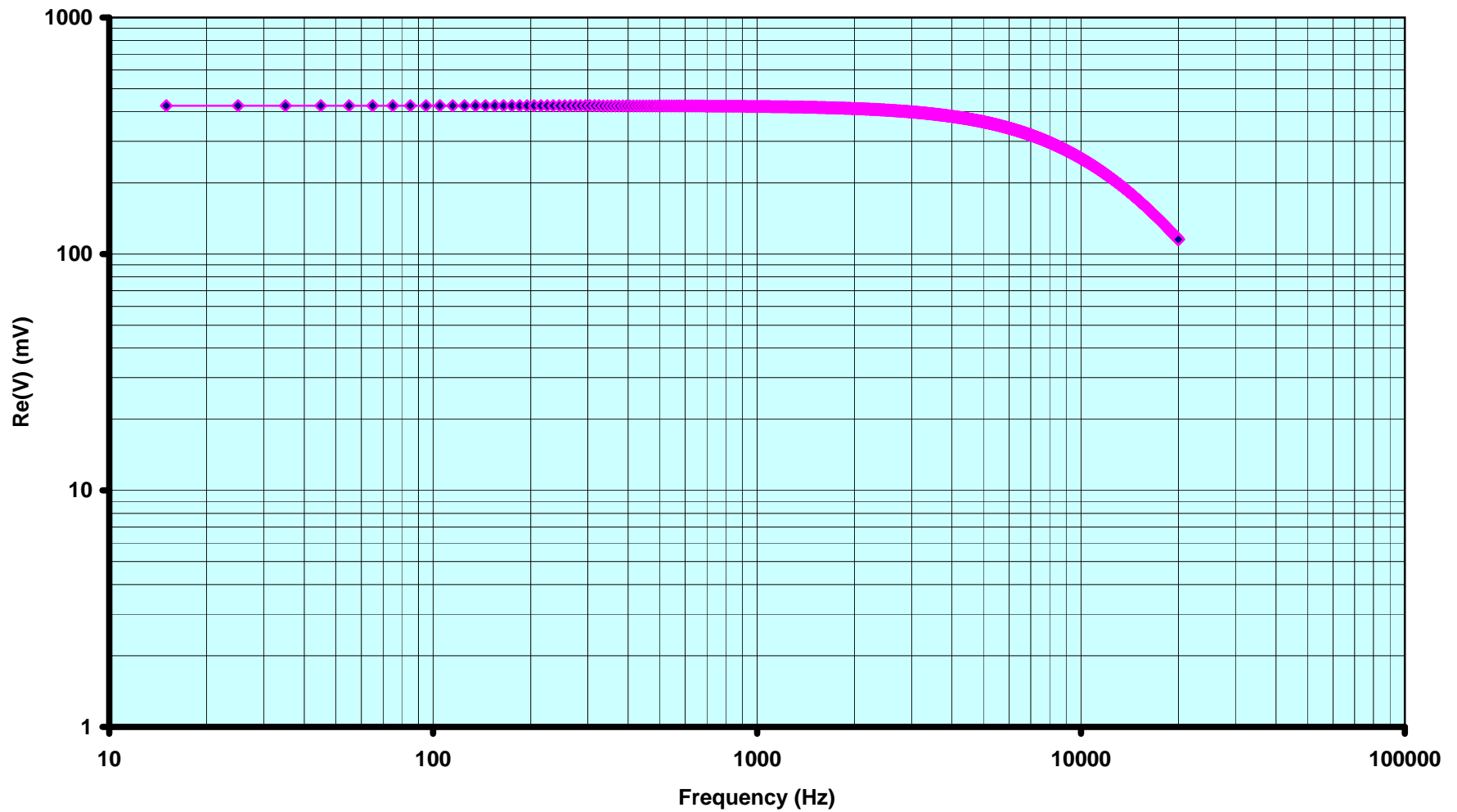


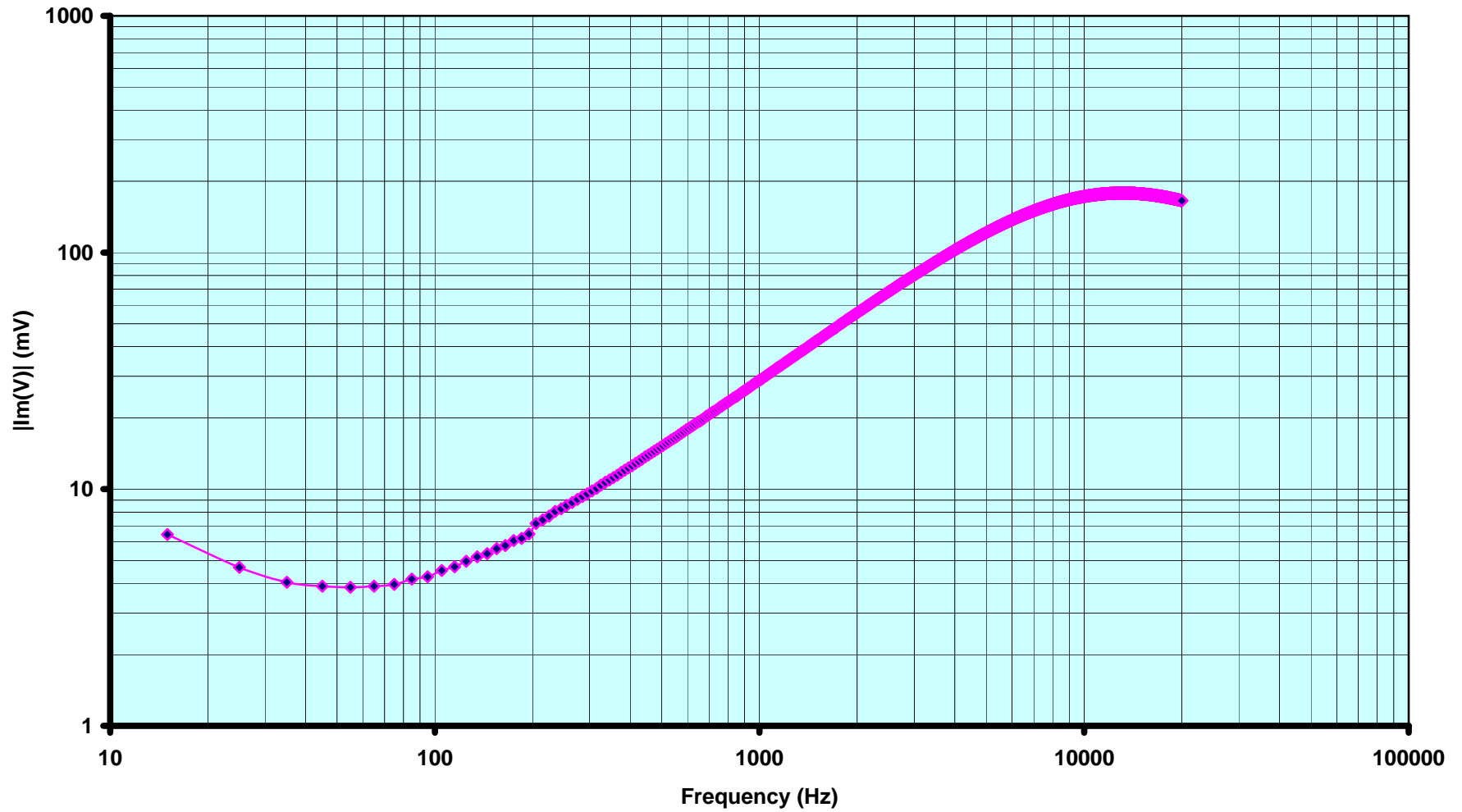
0.1 μ F 600V Sprague 715P Orange Drop Capacitor
Re(V) vs. Frequency {Vfg = 0.6 Volts, CV}
UIUC Physics 498 EMI 03/15/08



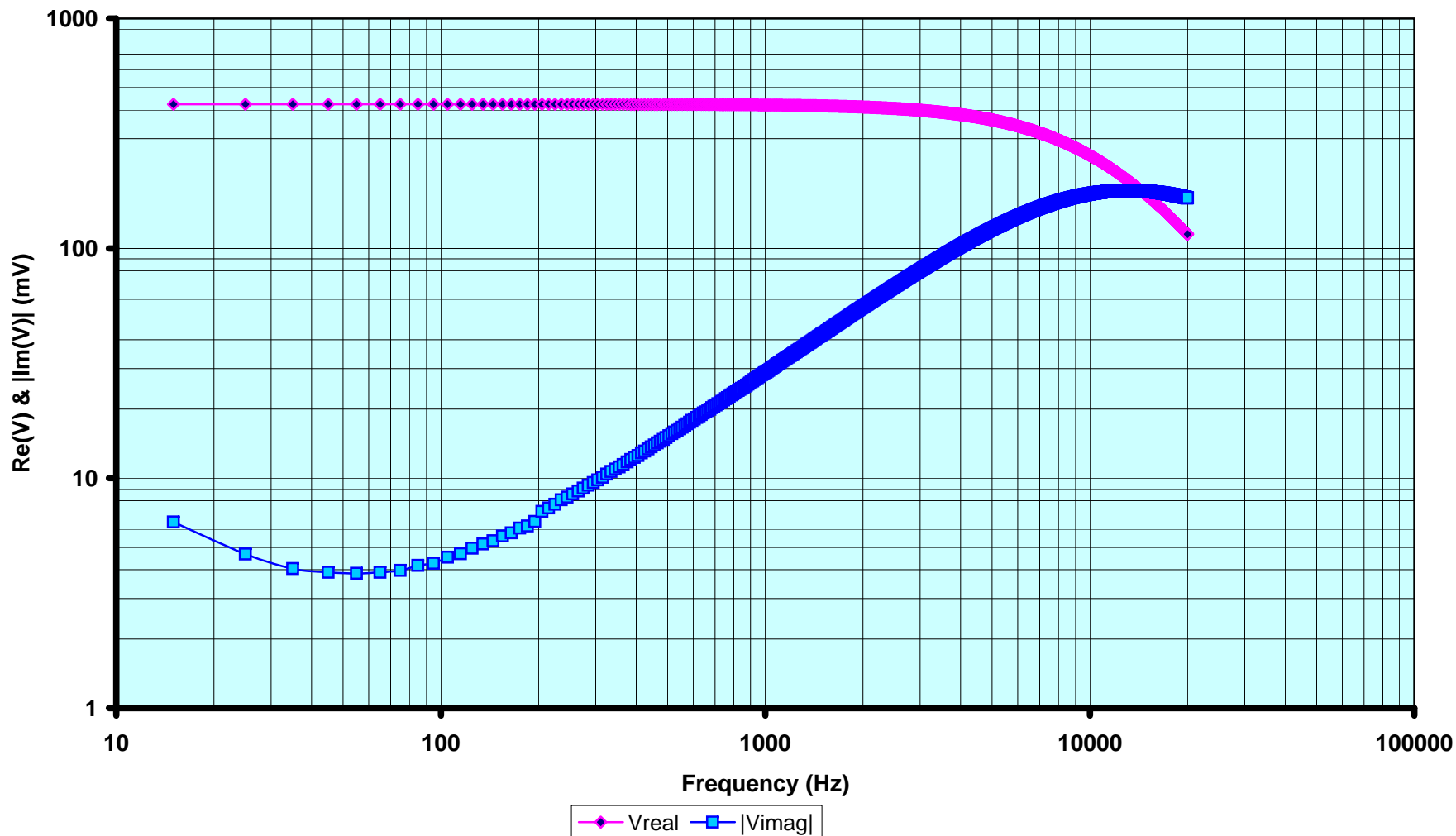
0.1 μF 600V Sprague 715P Orange Drop Capacitor

$|\text{Im}(V)|$ vs. Frequency {Vfg = 0.6 Volts, CV}

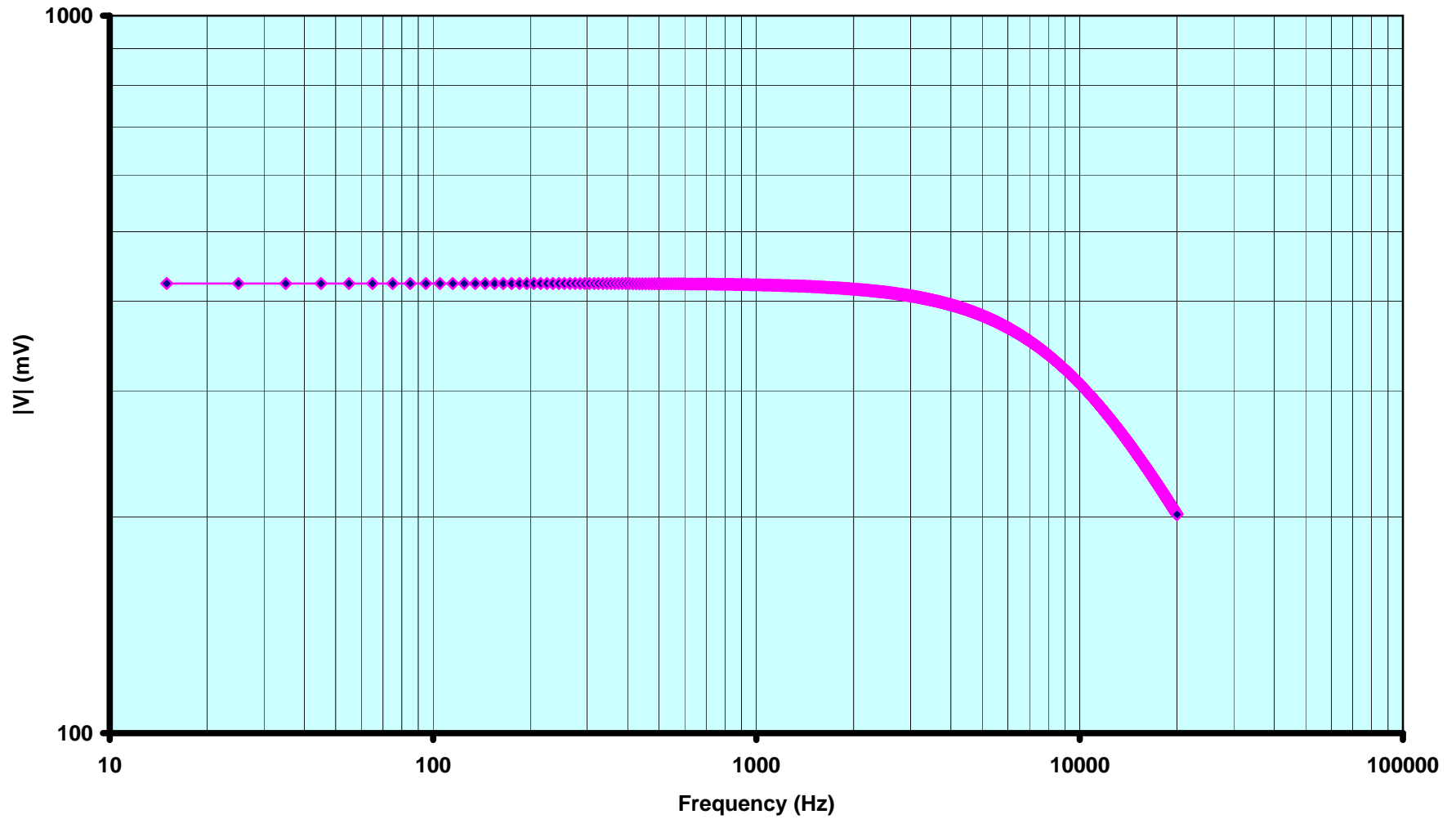
UIUC Physics 498 EMI 03/15/08



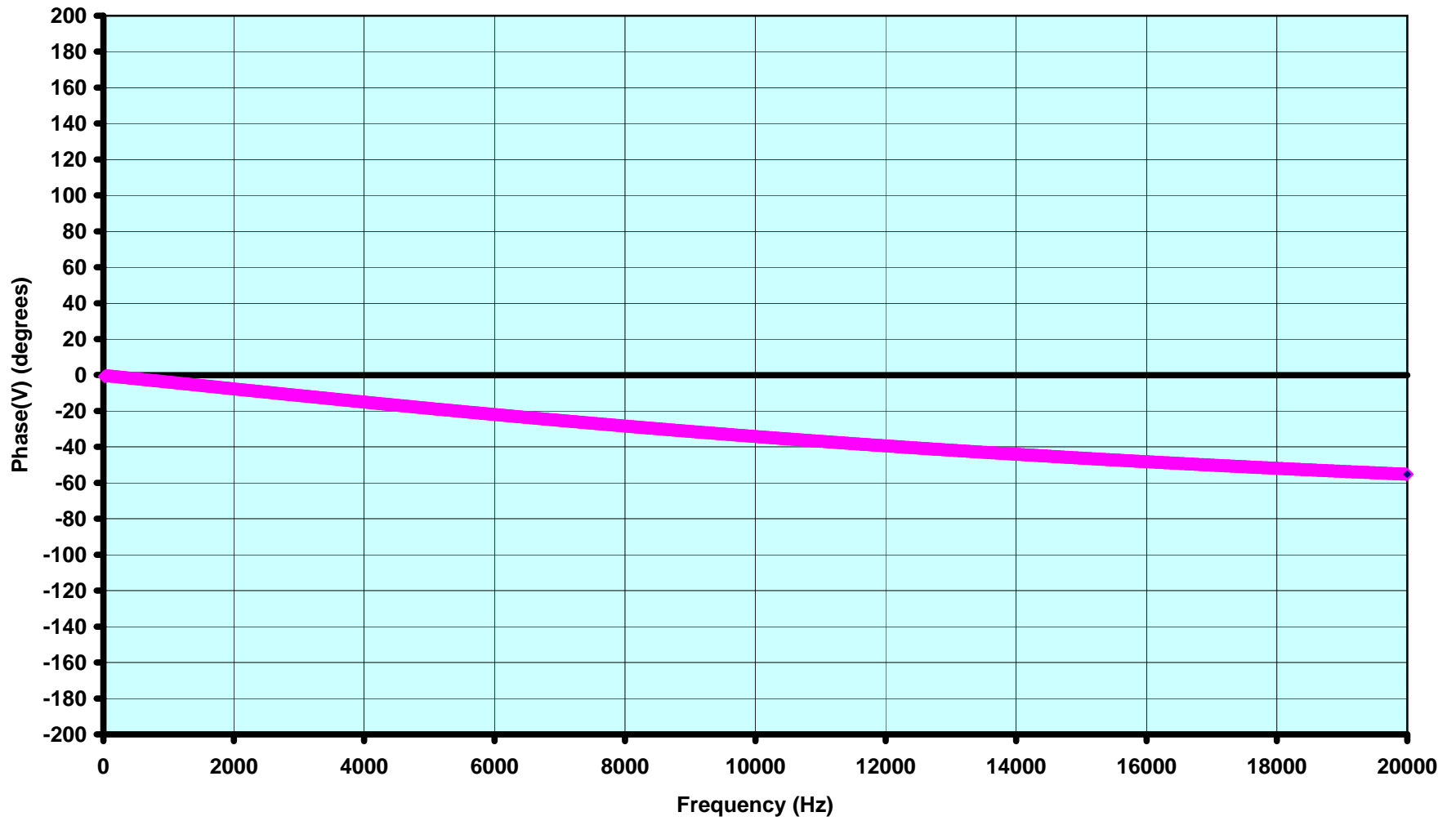
0.1 μF 600V Sprague 715P Orange Drop Capacitor
Re(V) & |Im(V)| vs. Frequency {Vfg = 0.6 Volts, CV}
UIUC Physics 498 EMI 03/15/08



0.1 μ F 600V Sprague 715P Orange Drop Capacitor
|V| vs. Frequency {Vfg = 0.6 Volts, CV}
UIUC Physics 498 EMI 03/15/08



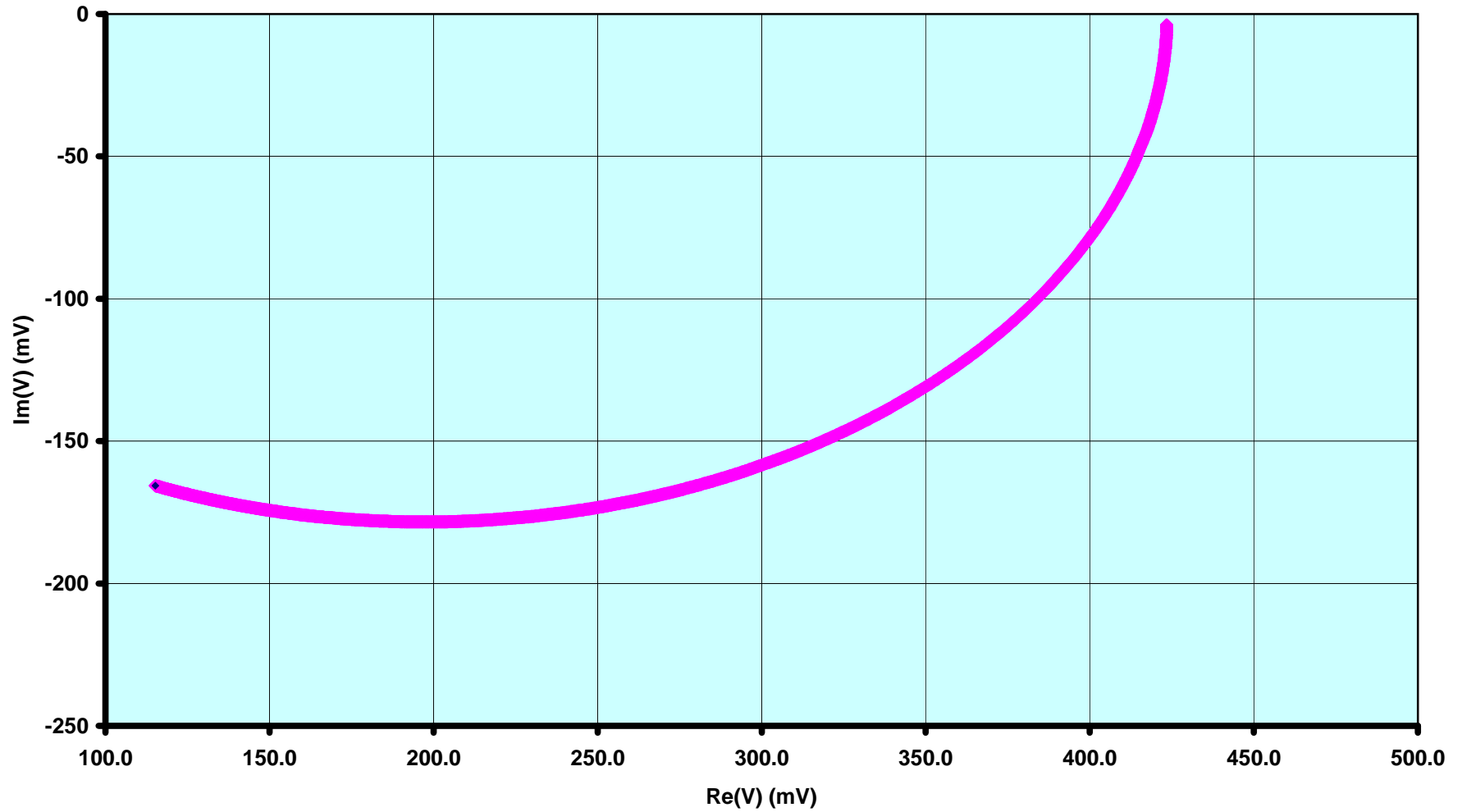
0.1 uF 600V Sprague 715P Orange Drop Capacitor
Phase(V) vs. Frequency {Vfg = 0.6 Volts, CV}
UIUC Physics 498 EMI 03/15/08



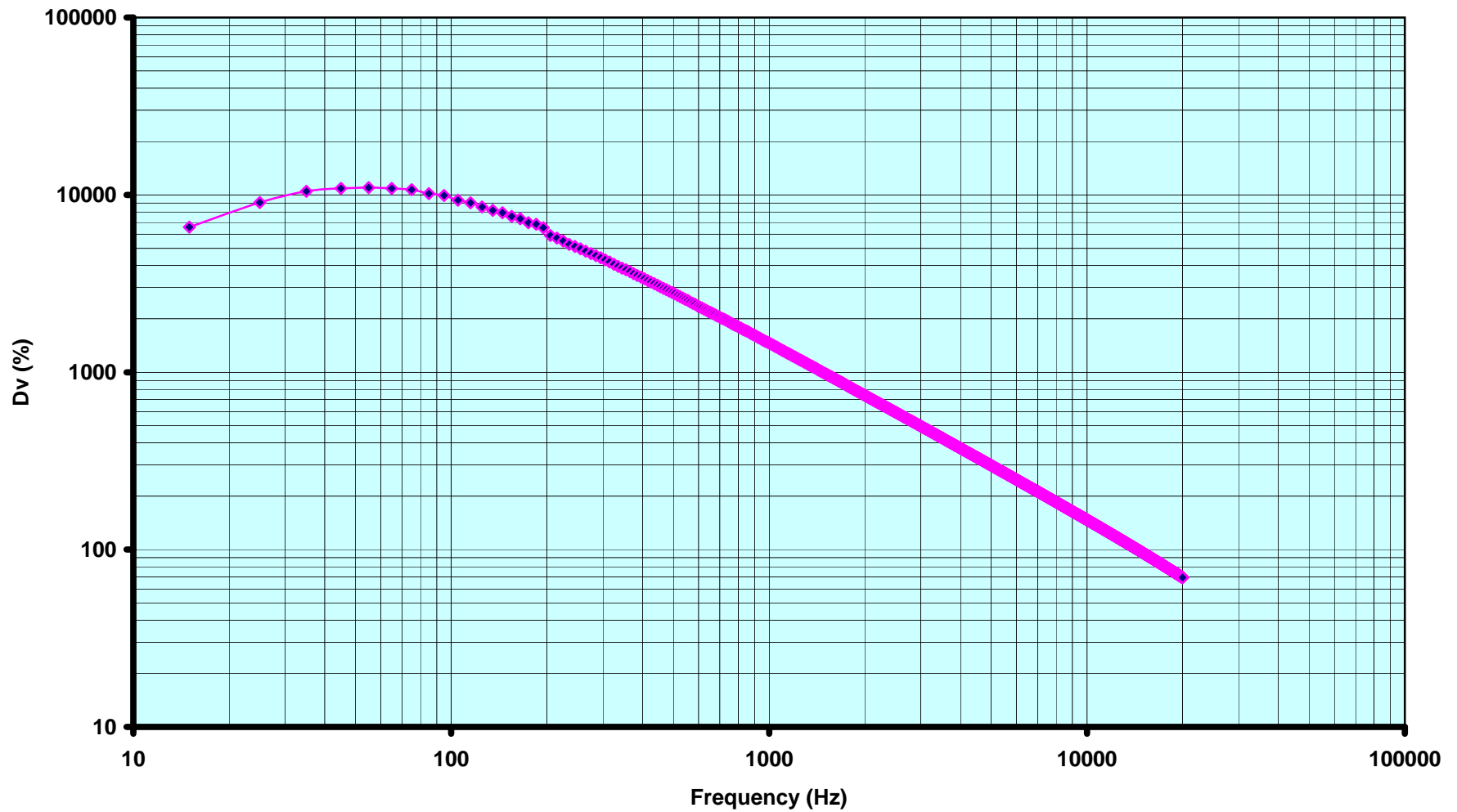
0.1 μF 600V Sprague 715P Orange Drop Capacitor

Im(V) vs. Re(V) {Vfg = 0.6 Volts, CV}

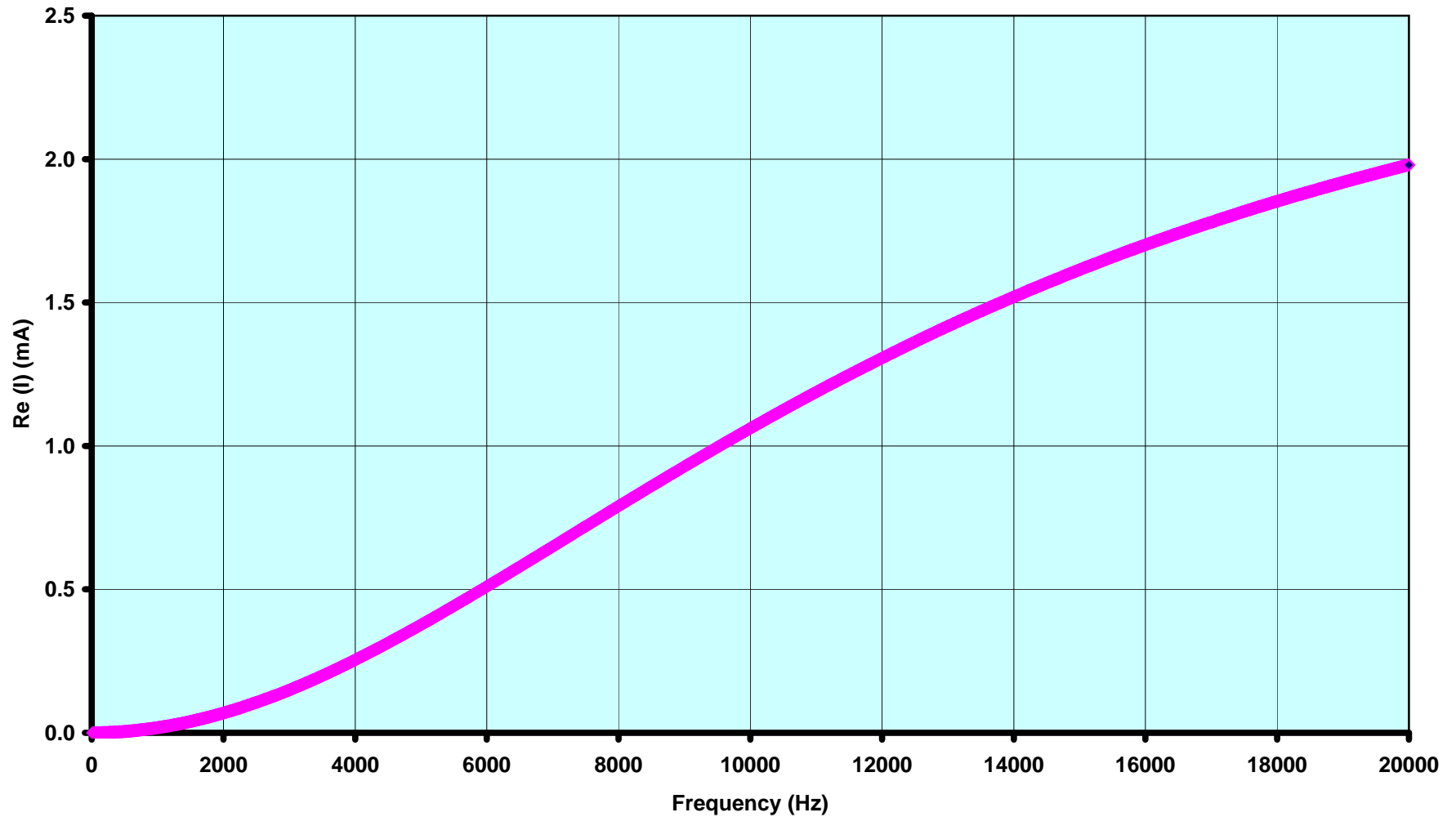
UIUC Physics 498 EMI 03/15/08



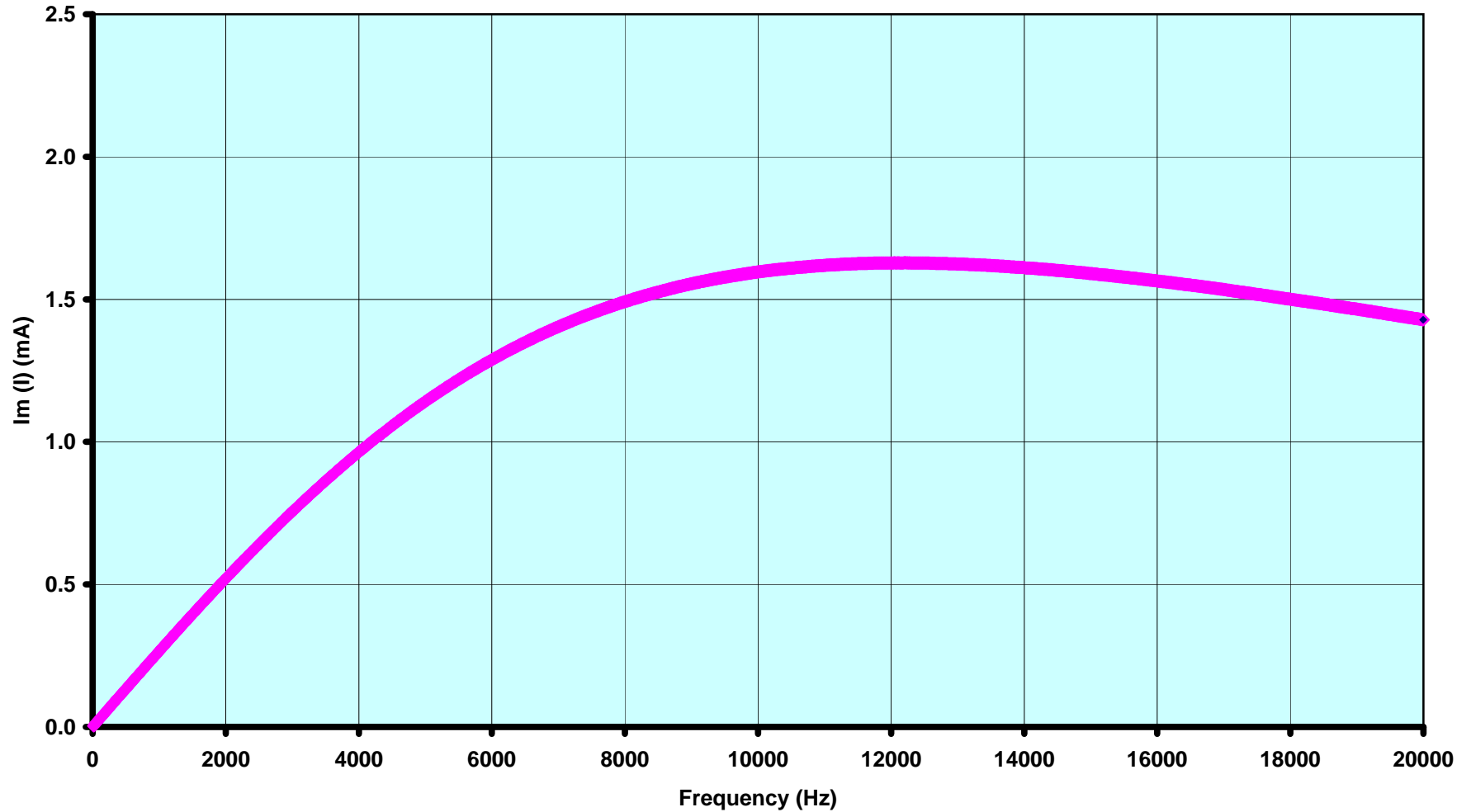
0.1 uF 600V Sprague 715P Orange Drop Capacitor {Vfg = 0.6 Volts}
Voltage Dissipation, $D_v = 100 \cdot \text{Abs}(\text{Re}(V)/\text{Im}(V))$ vs. Frequency
UIUC Physics 498 EMI 03/15/08



0.1 μ F 600V Sprague 715P Orange Drop Capacitor
Re(I) vs. Frequency {Vfg = 0.6 Volts, CV}
UIUC Physics 498 EMI 03/15/08



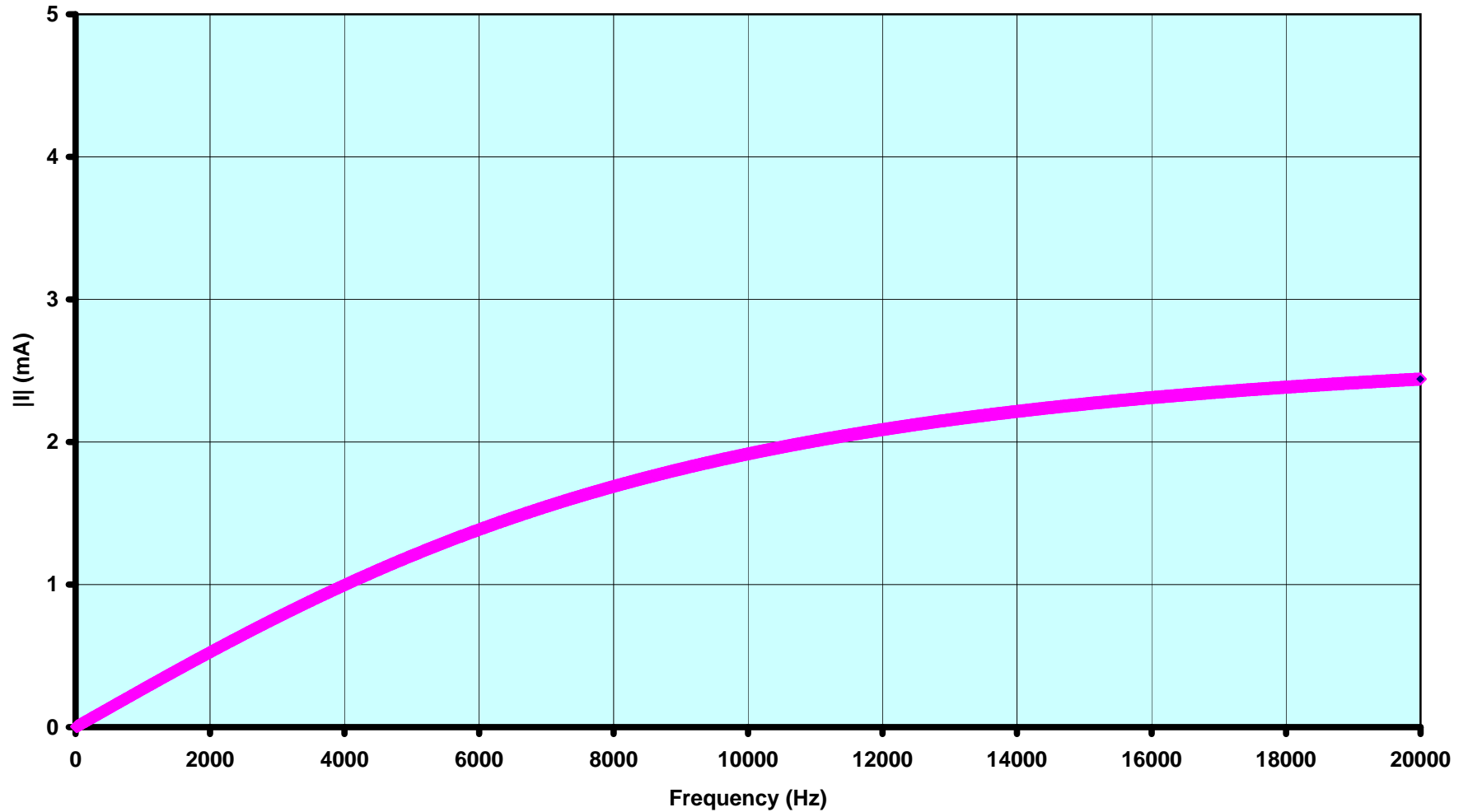
0.1 μ F 600V Sprague 715P Orange Drop Capacitor
Im(I) vs. Frequency {Vfg = 0.6 Volts, CV}
UIUC Physics 498 EMI 03/15/08



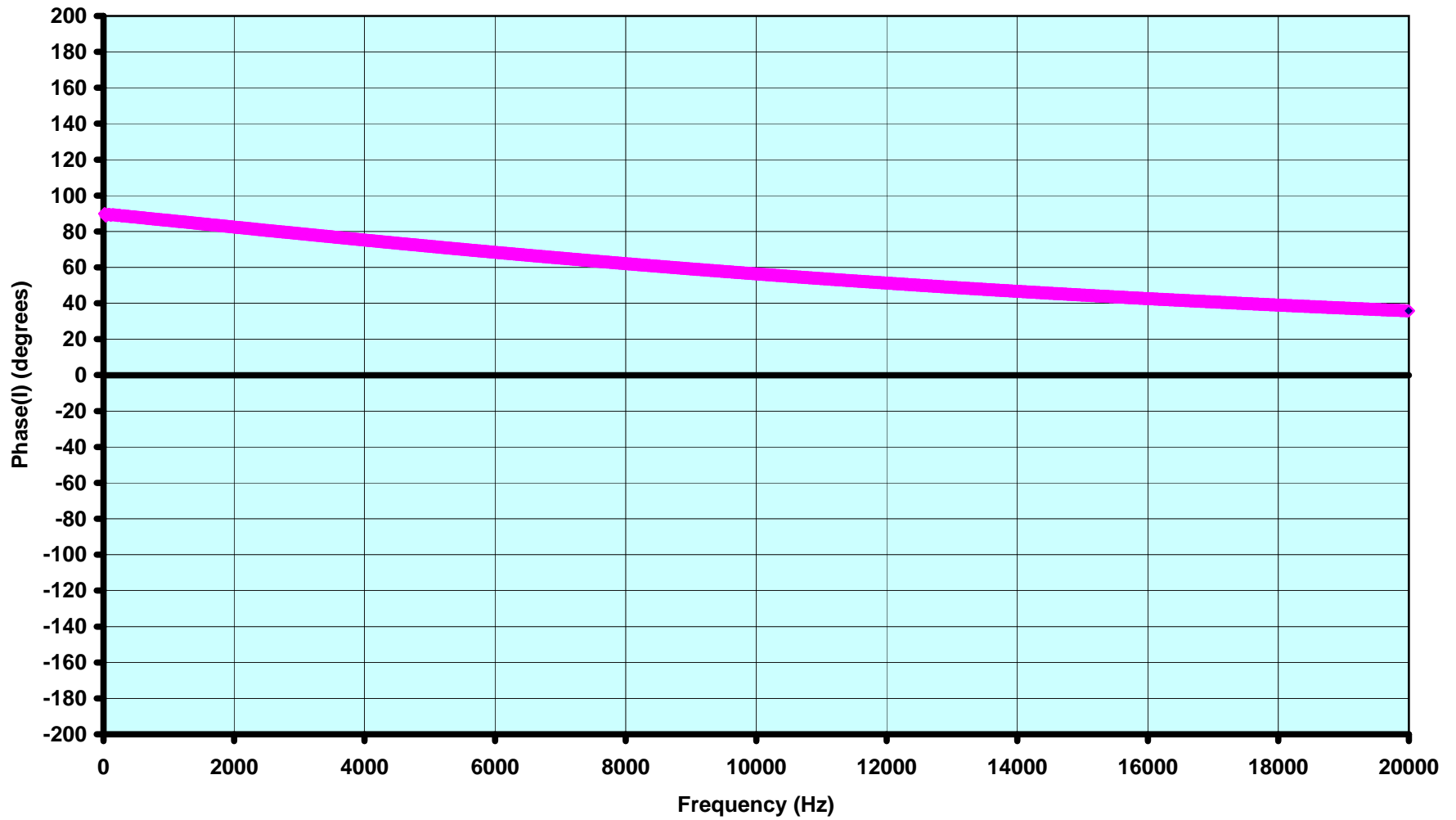
0.1 μF 600V Sprague 715P Orange Drop Capacitor

$||I||$ vs. Frequency {Vfg = 0.6 Volts, CV}

UIUC Physics 498 EMI 03/15/08



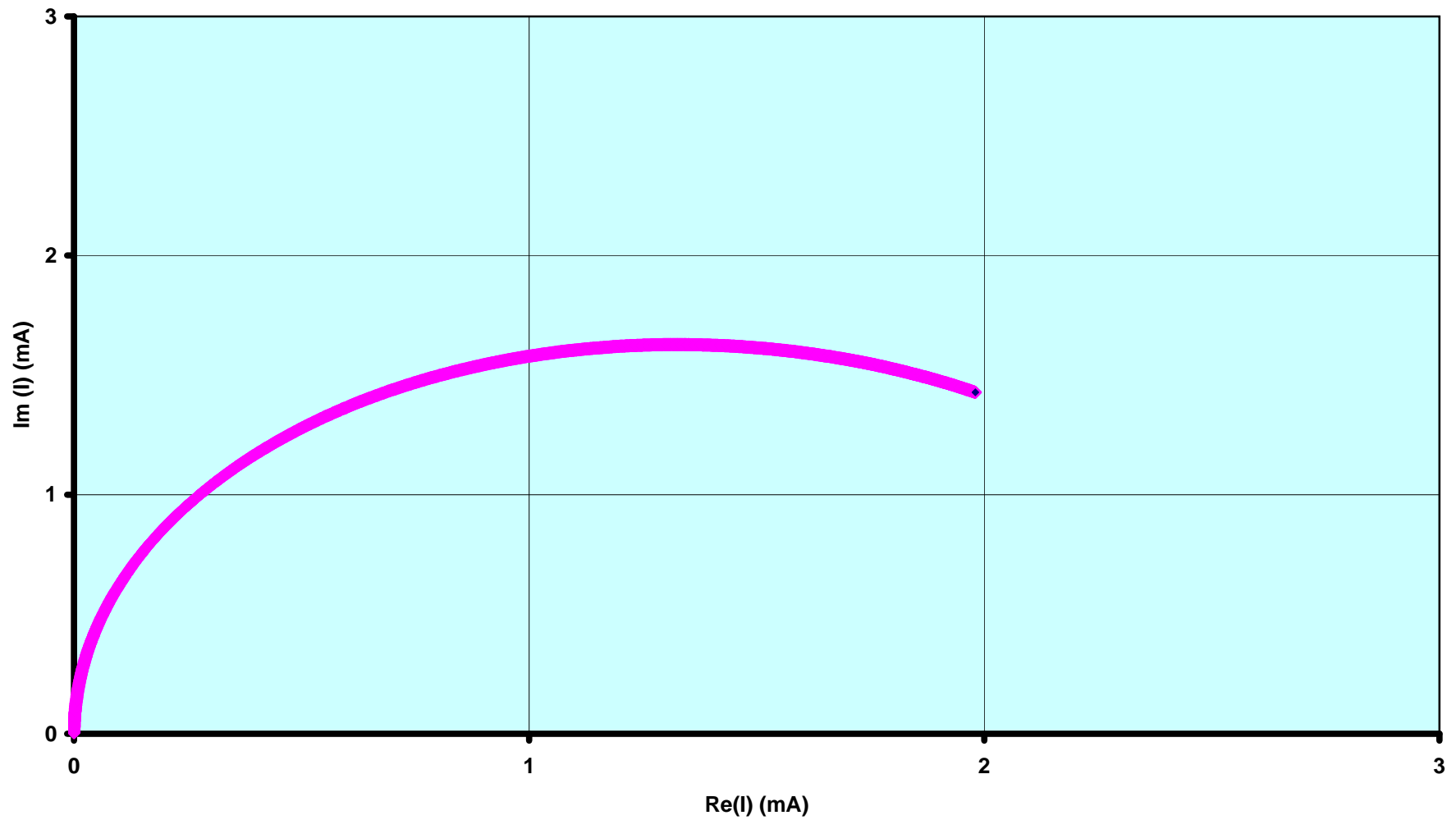
0.1 μ F 600V Sprague 715P Orange Drop Capacitor
Phase(I) vs. Frequency {Vfg = 0.6 Volts, CV}
UIUC Physics 498 EMI 03/15/08



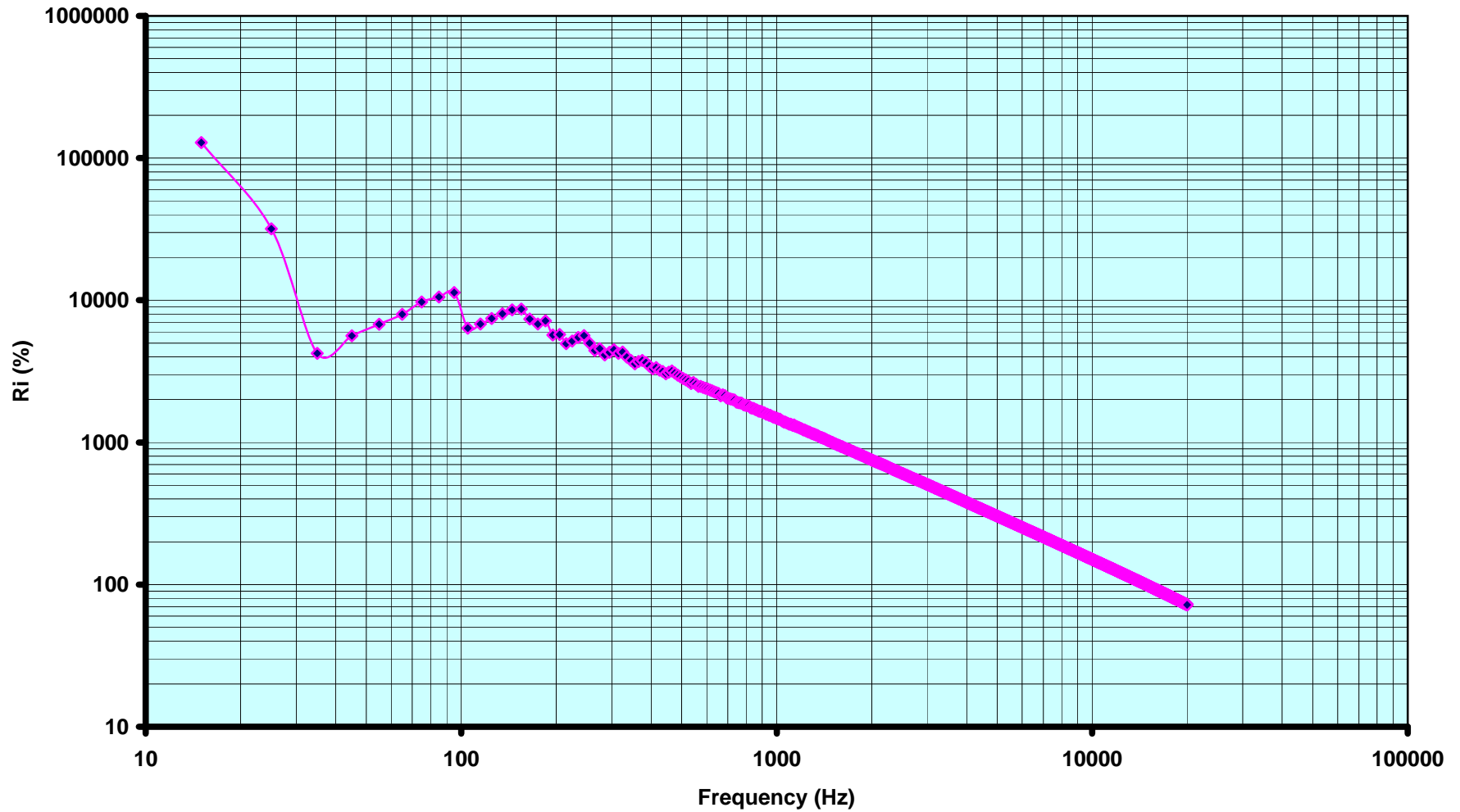
0.1 μF 600V Sprague 715P Orange Drop Capacitor

$\text{Im}(I)$ vs. $\text{Re}(I)$ { $V_{\text{fg}} = 0.6$ Volts, CV}

UIUC Physics 498 EMI 03/15/08



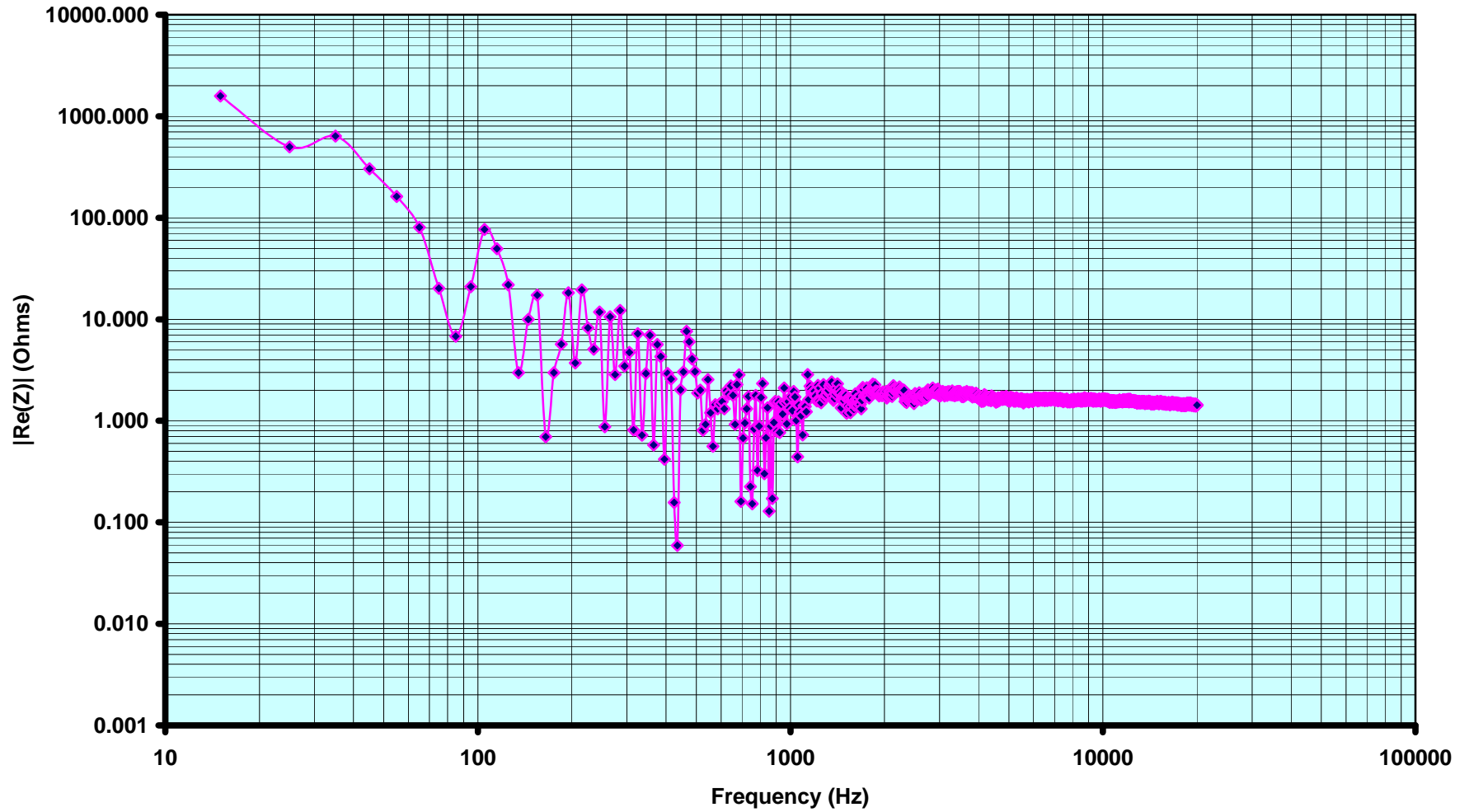
0.1 μ F 600V Sprague 715P Orange Drop Capacitor {Vfg = 0.6 Volts}
Current "Reactance", $R_i = 100 \cdot \text{Abs}(\text{Im}(I)/\text{Re}(I))$ vs. Frequency
UIUC Physics 498 EMI 03/15/08



0.1 μ F 600V Sprague 715P Orange Drop Capacitor

$|\text{Re}(Z)|$ vs. Frequency {Vfg = 0.6 Volts, CV}

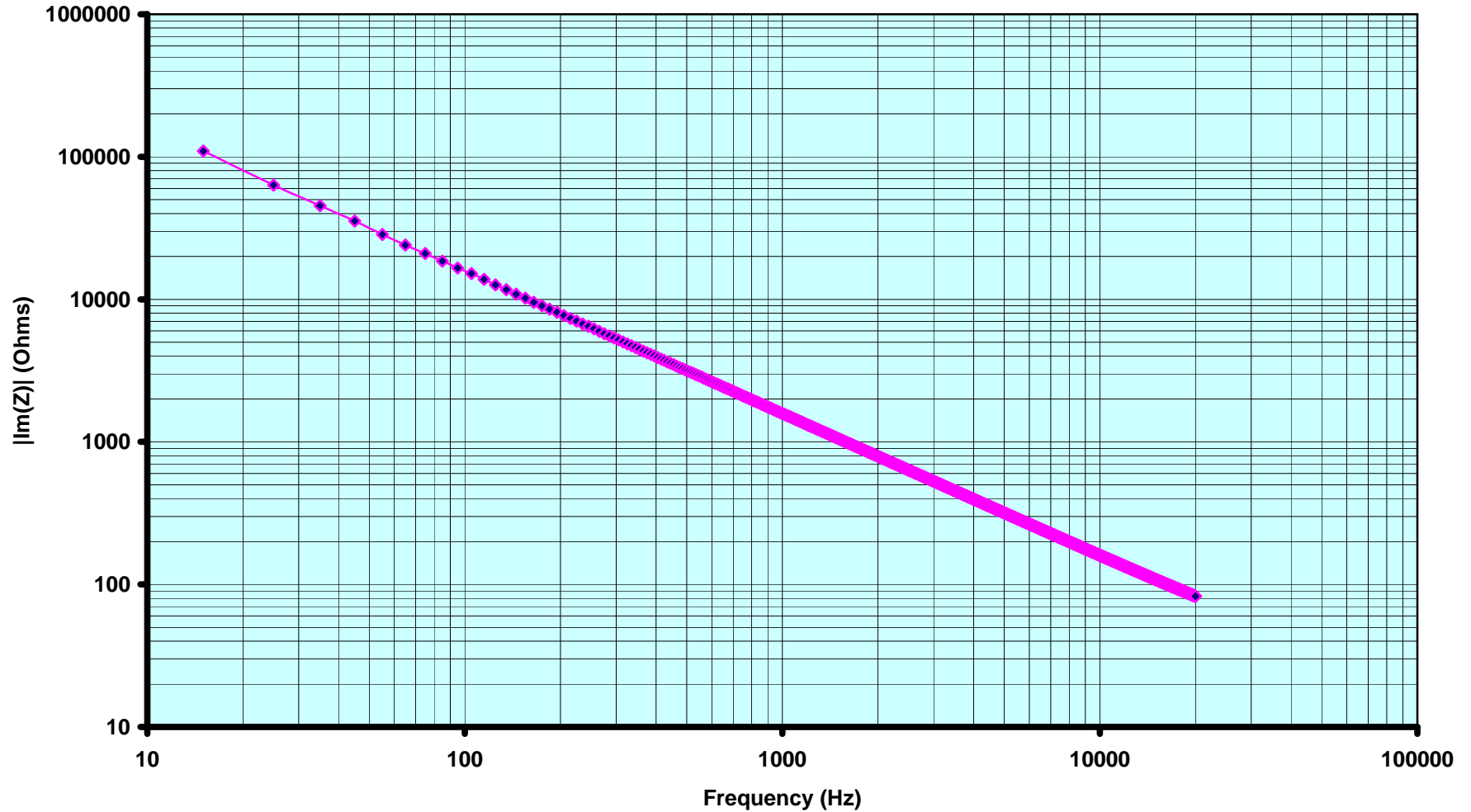
UIUC Physics 498 EMI 03/15/08



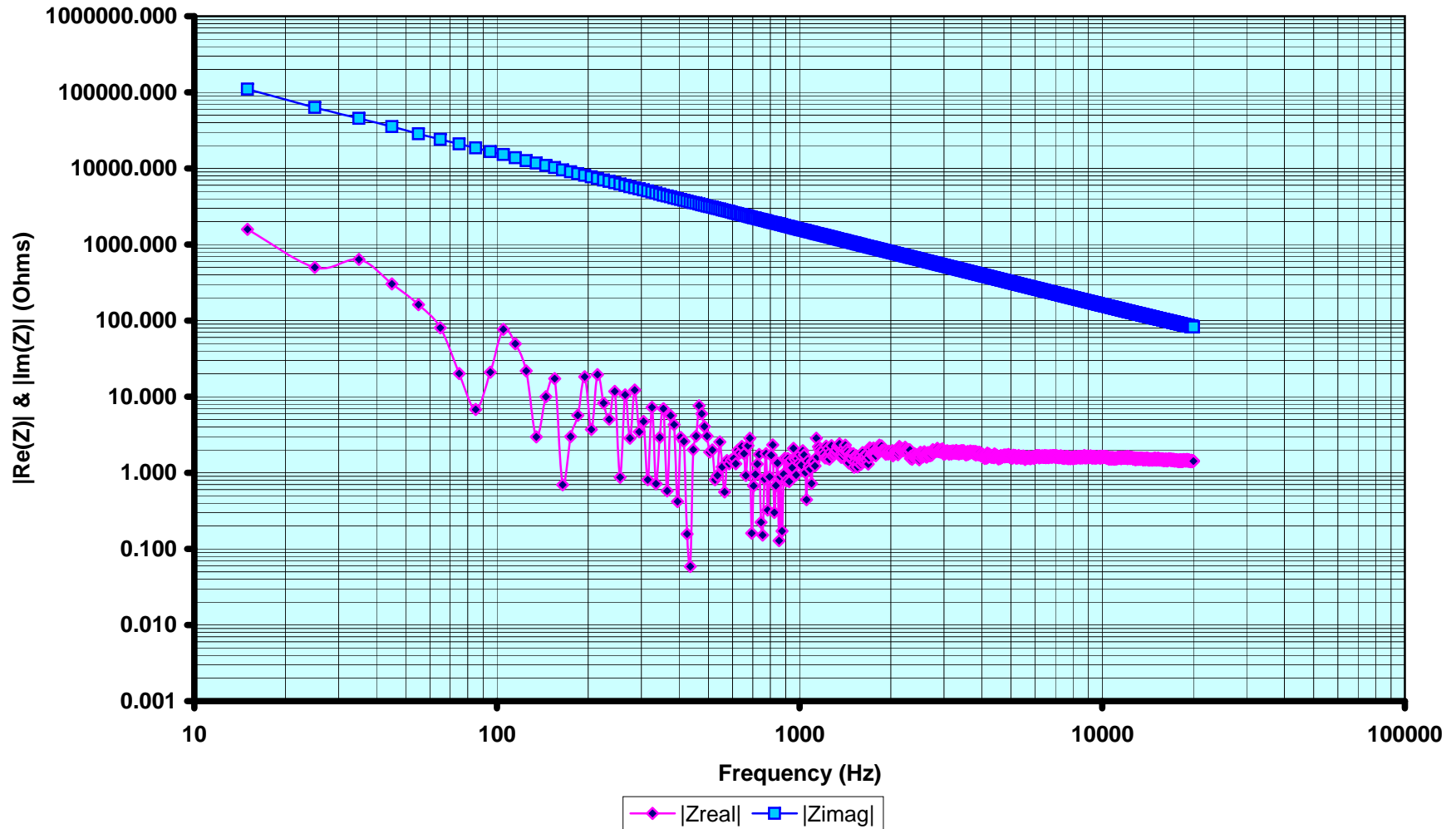
0.1 μF 600V Sprague 715P Orange Drop Capacitor

$|\text{Im}(Z)|$ vs. Frequency {Vfg = 0.6 Volts, CV}

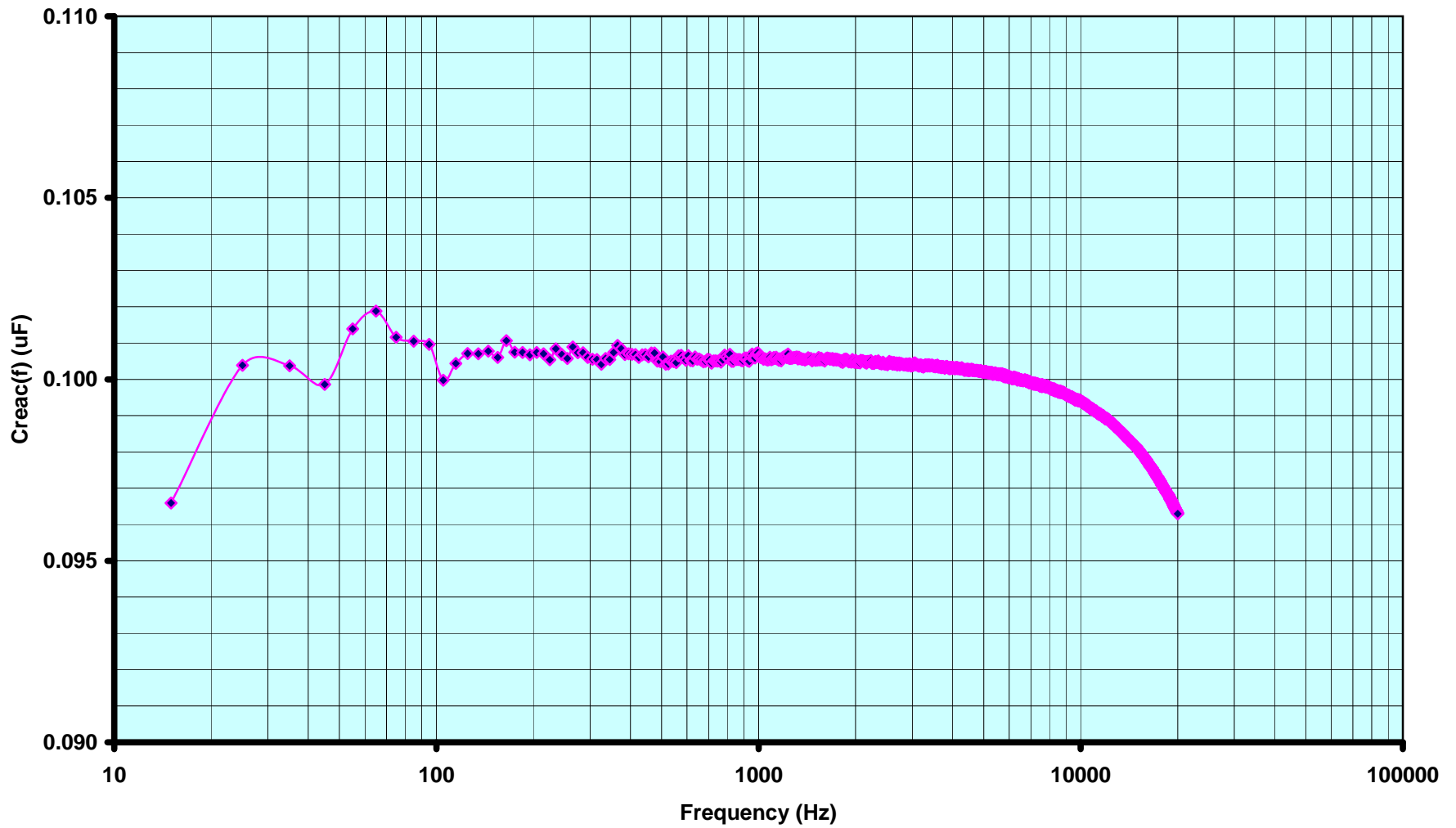
UIUC Physics 498 EMI 03/15/08



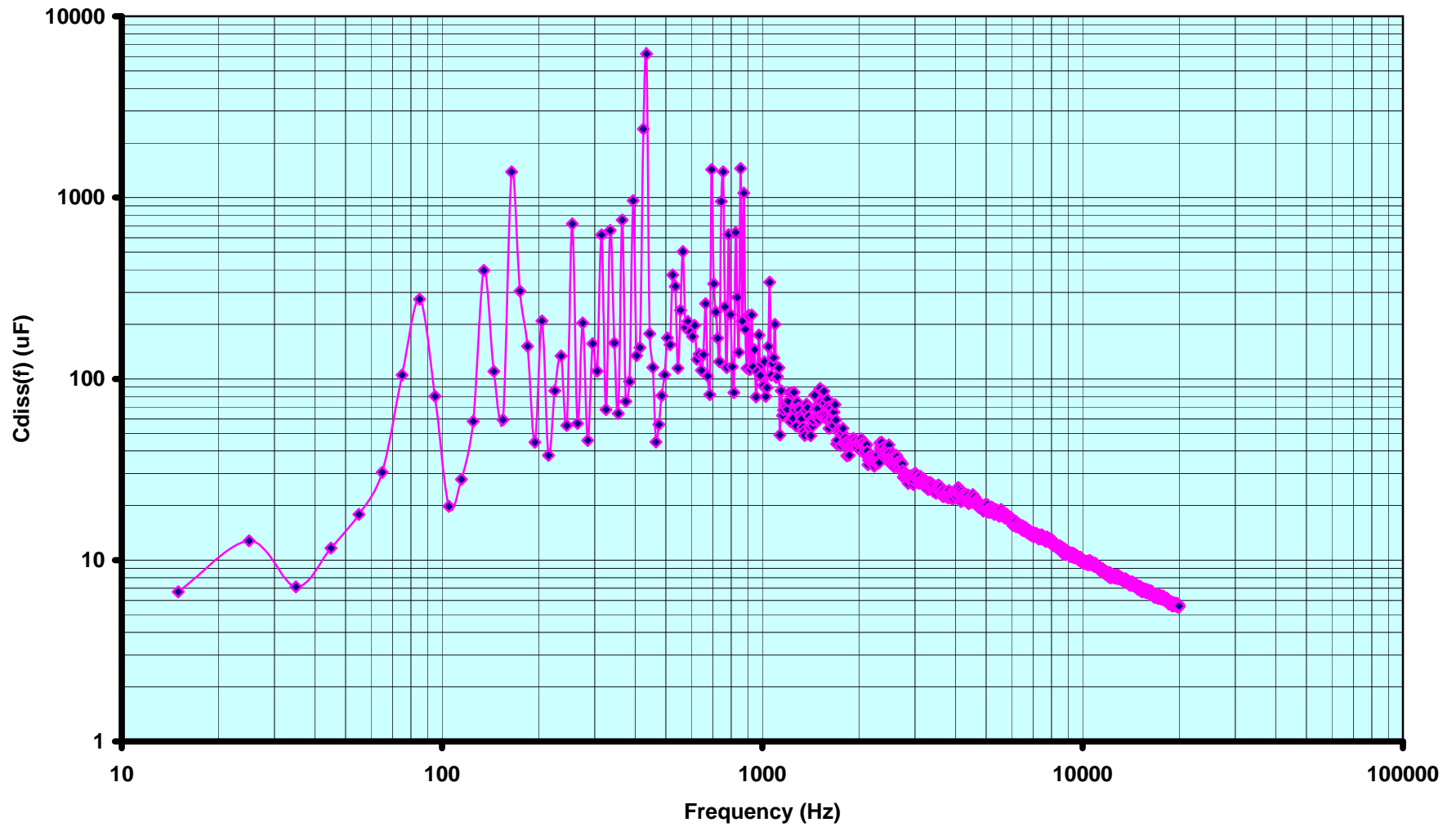
0.1 uF 600V Sprague 715P Orange Drop Capacitor
 $|\text{Re}(Z)|$ & $|\text{Im}(Z)|$ vs. Frequency {Vfg = 0.6 Volts, CV}
UIUC Physics 498 EMI 03/15/08



0.1 μ F 600V Sprague 715P Orange Drop Capacitor
Reactive Capacitance vs. Frequency {Vfg = 0.6 Volts, CV}
UIUC Physics 498 EMI 03/15/08



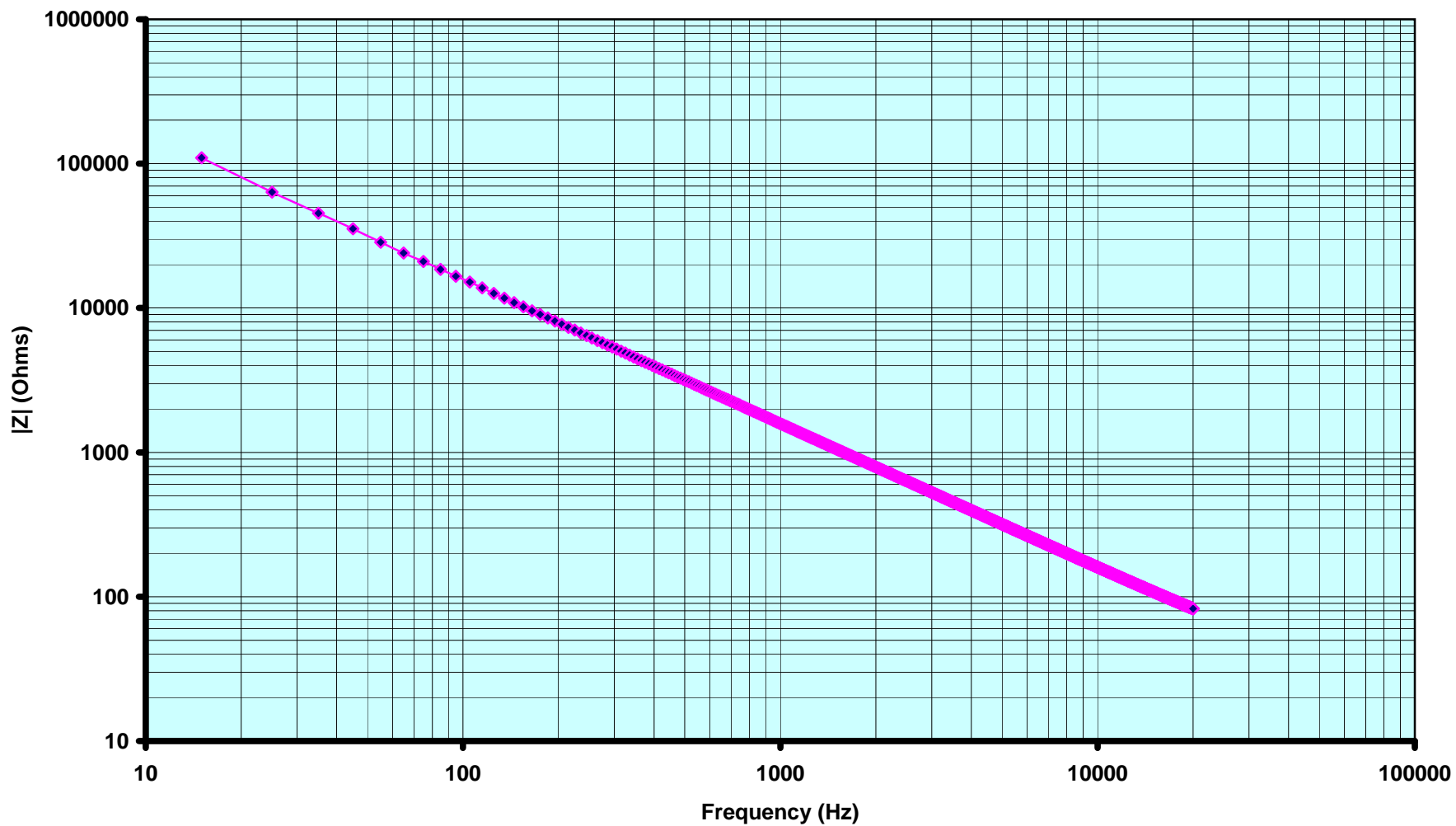
0.1 μ F 600V Sprague 715P Orange Drop Capacitor
Dissipative Capacitance vs. Frequency {Vfg = 0.6 Volts, CV}
UIUC Physics 498 EMI 03/15/08



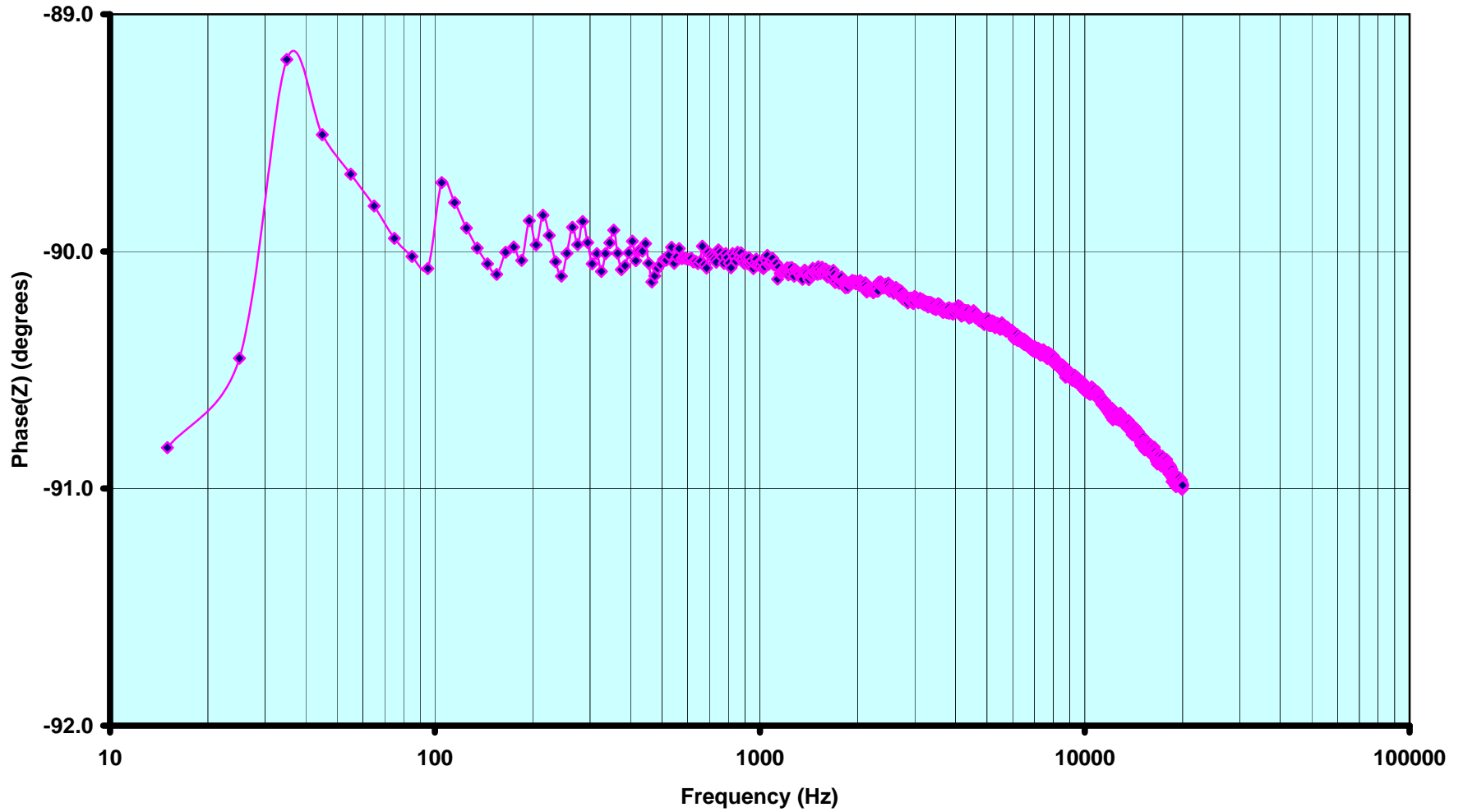
0.1 uF 600V Sprague 715P Orange Drop Capacitor

$|Z|$ vs. Frequency {Vfg = 0.6 Volts, CV}

UIUC Physics 498 EMI 03/15/08



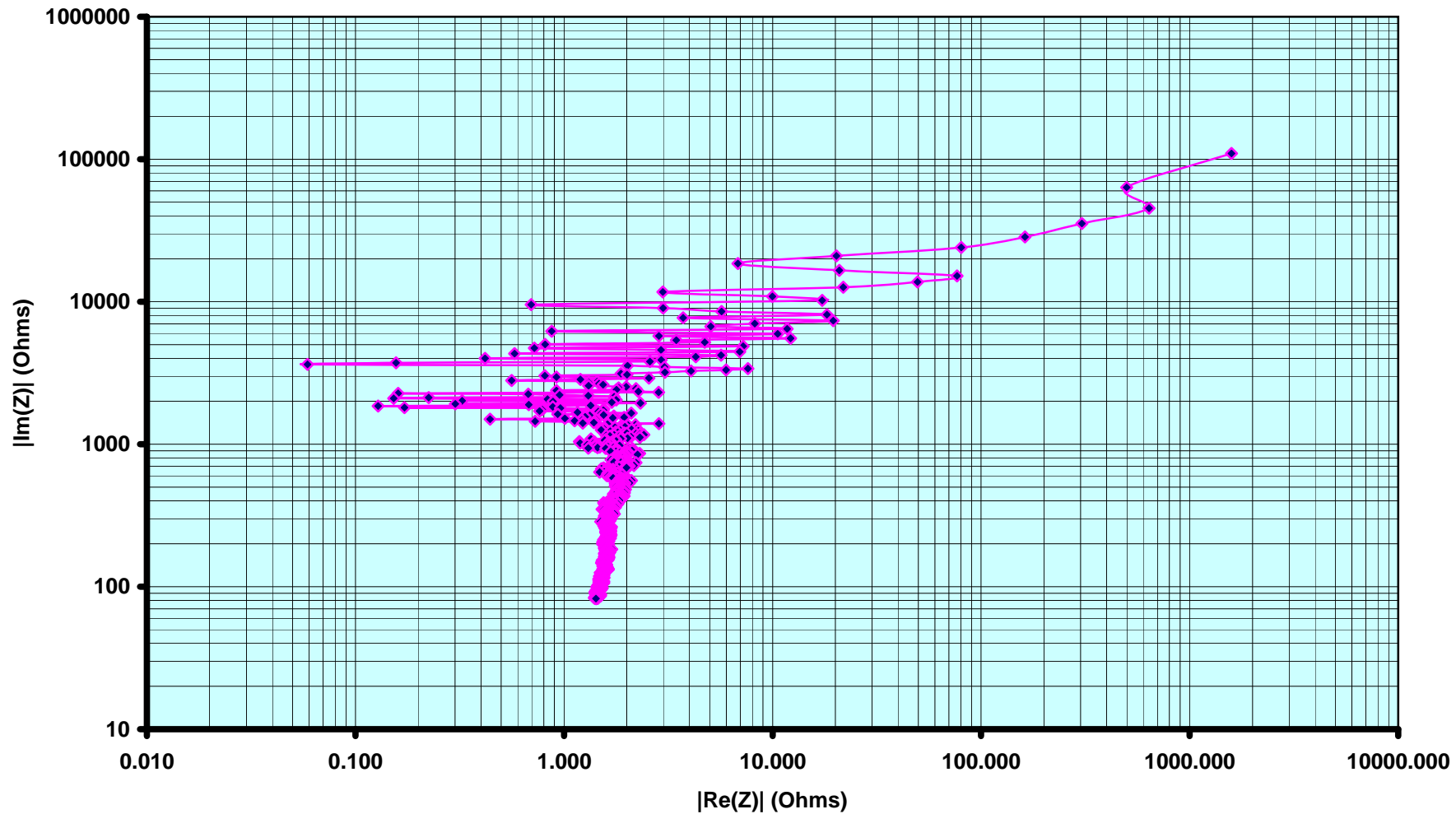
0.1 uF 600V Sprague 715P Orange Drop Capacitor
Phase(Z) vs. Frequency {Vfg = 0.6 Volts, CV}
UIUC Physics 498 EMI 03/15/08



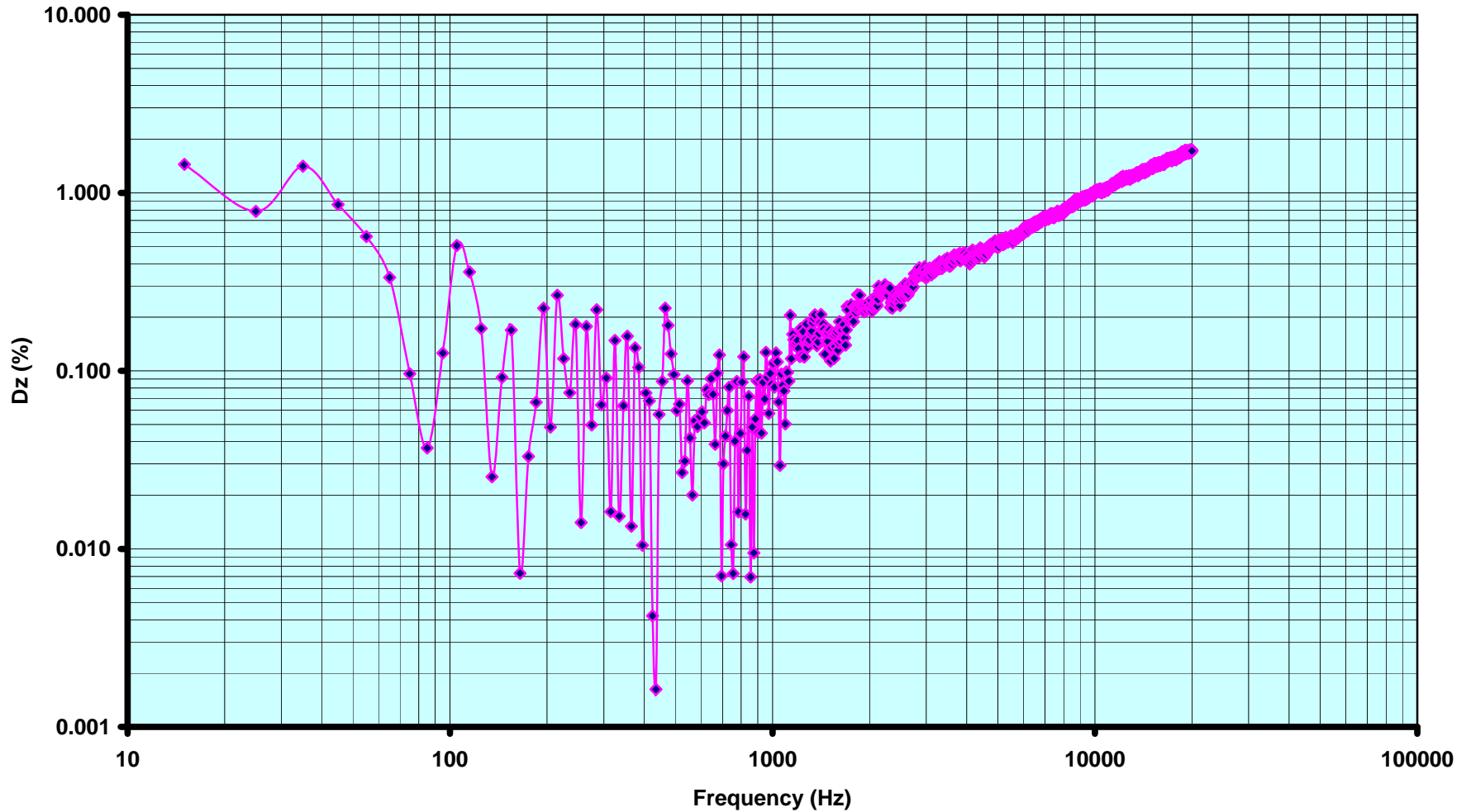
0.1 μF 600V Sprague 715P Orange Drop Capacitor

$|\text{Im}(Z)|$ vs. $|\text{Re}(Z)|$ {Vfg = 0.6 Volts, CV}

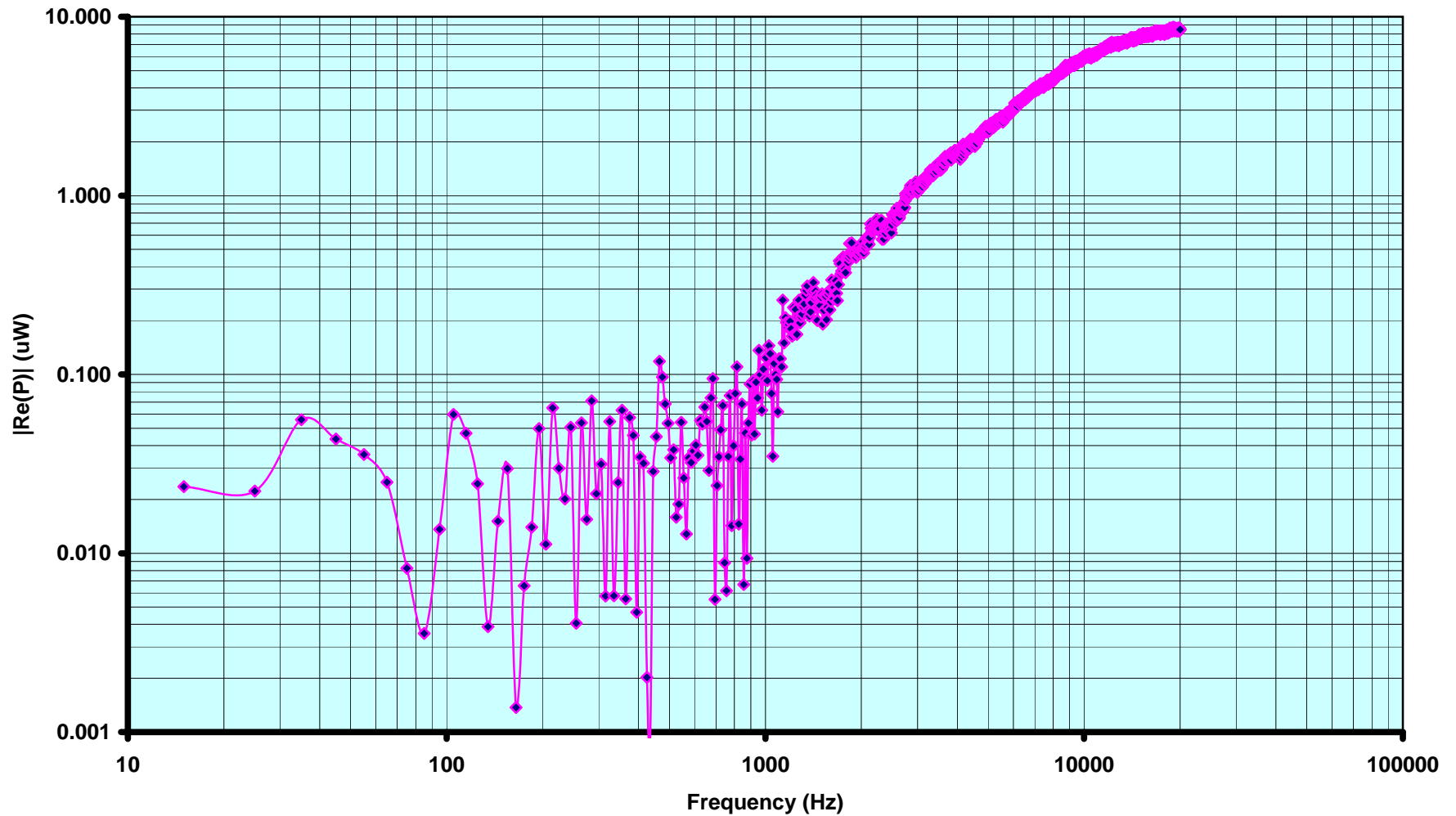
UIUC Physics 498 EMI 03/15/08



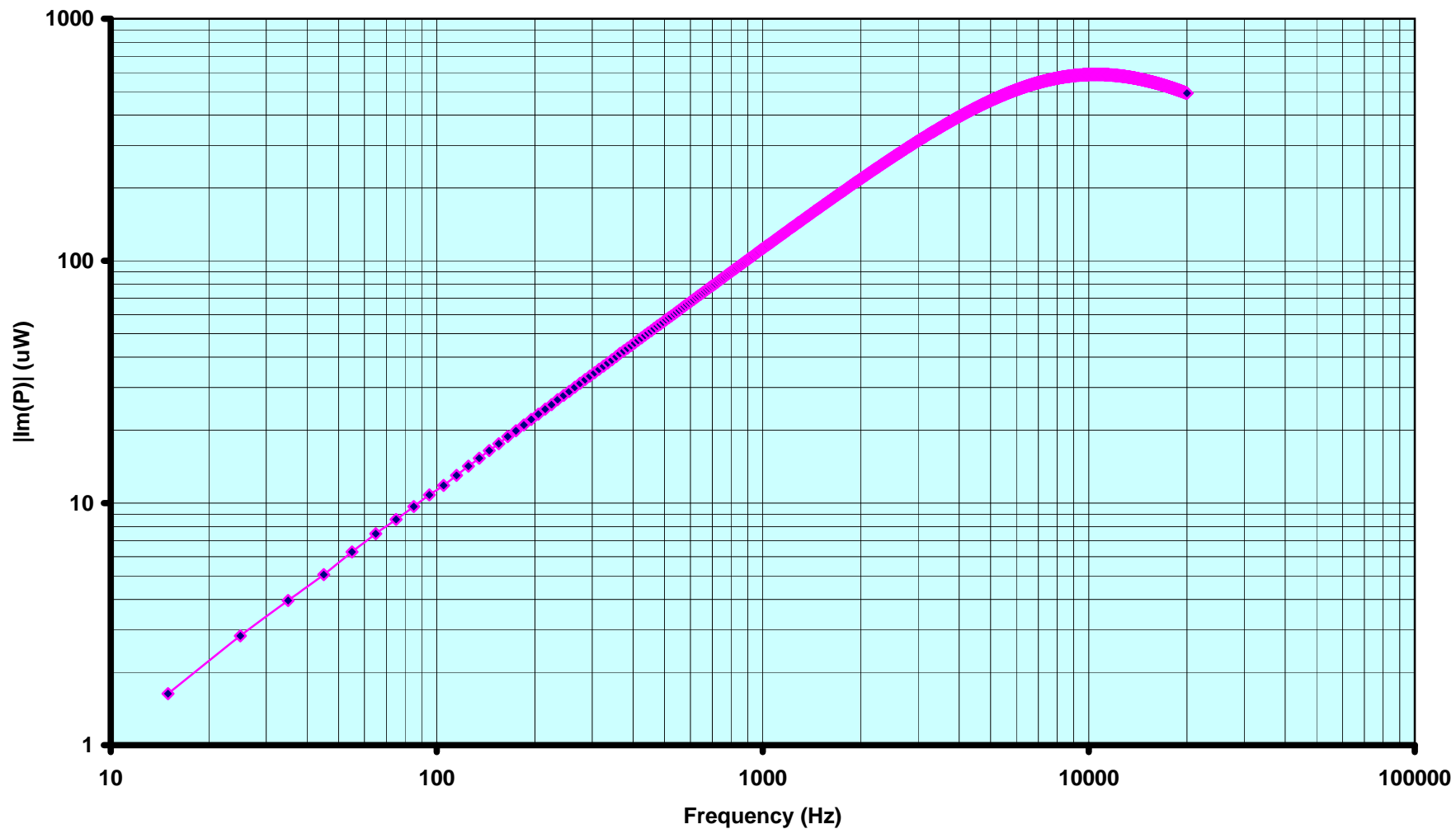
0.1 μ F 600V Sprague 715P Orange Drop Capacitor {Vfg = 0.6 Volts}
Impedance Dissipation, $D_z = 100 \cdot |\text{Re}(Z)|/|\text{Im}(Z)|$ vs. Frequency
UIUC Physics 498 EMI 03/15/08



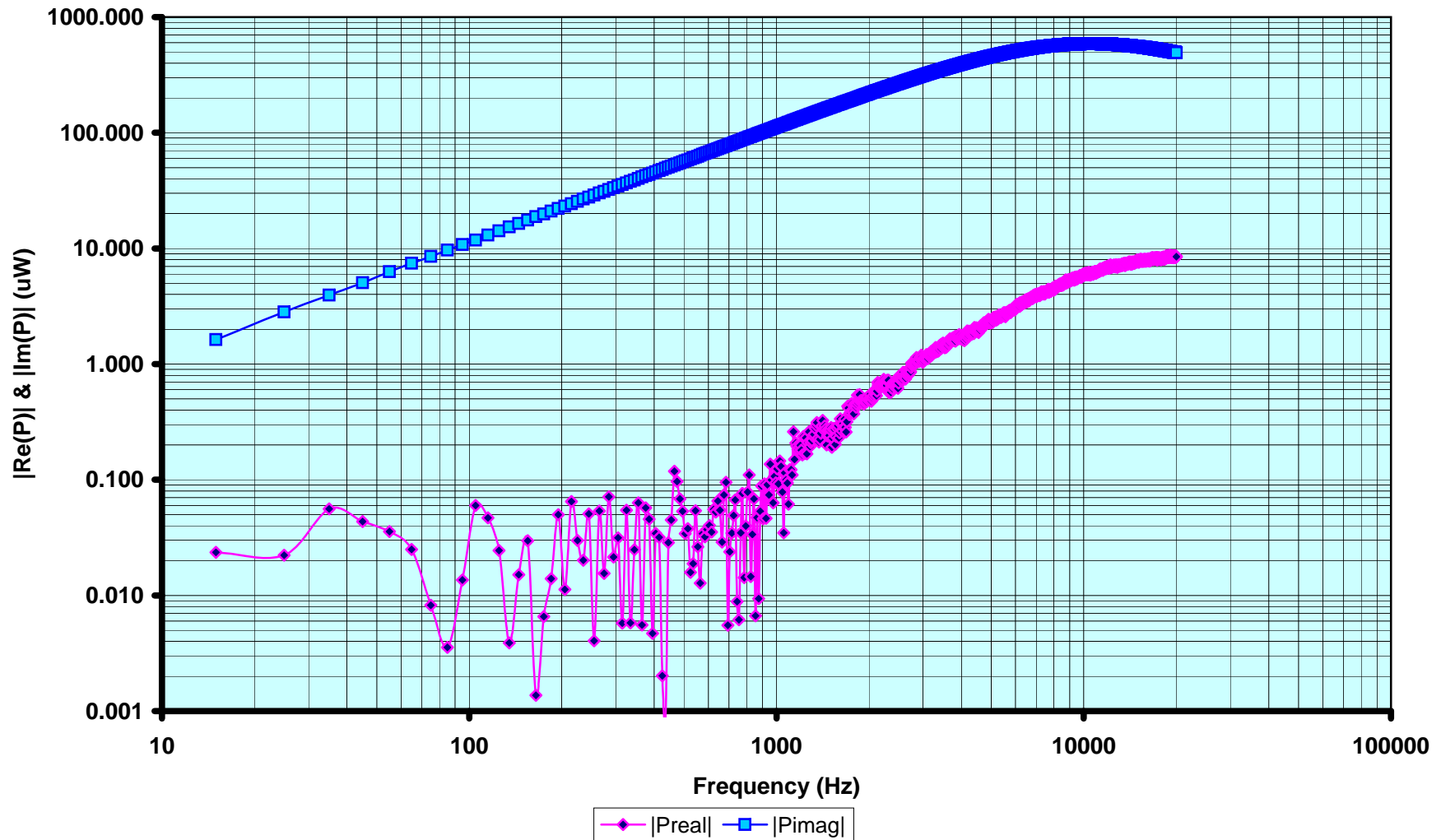
0.1 μ F 600V Sprague 715P Orange Drop Capacitor
|Re(P)| vs. Frequency {Vfg = 0.6 Volts, CV}
UIUC Physics 498 EMI 03/15/08



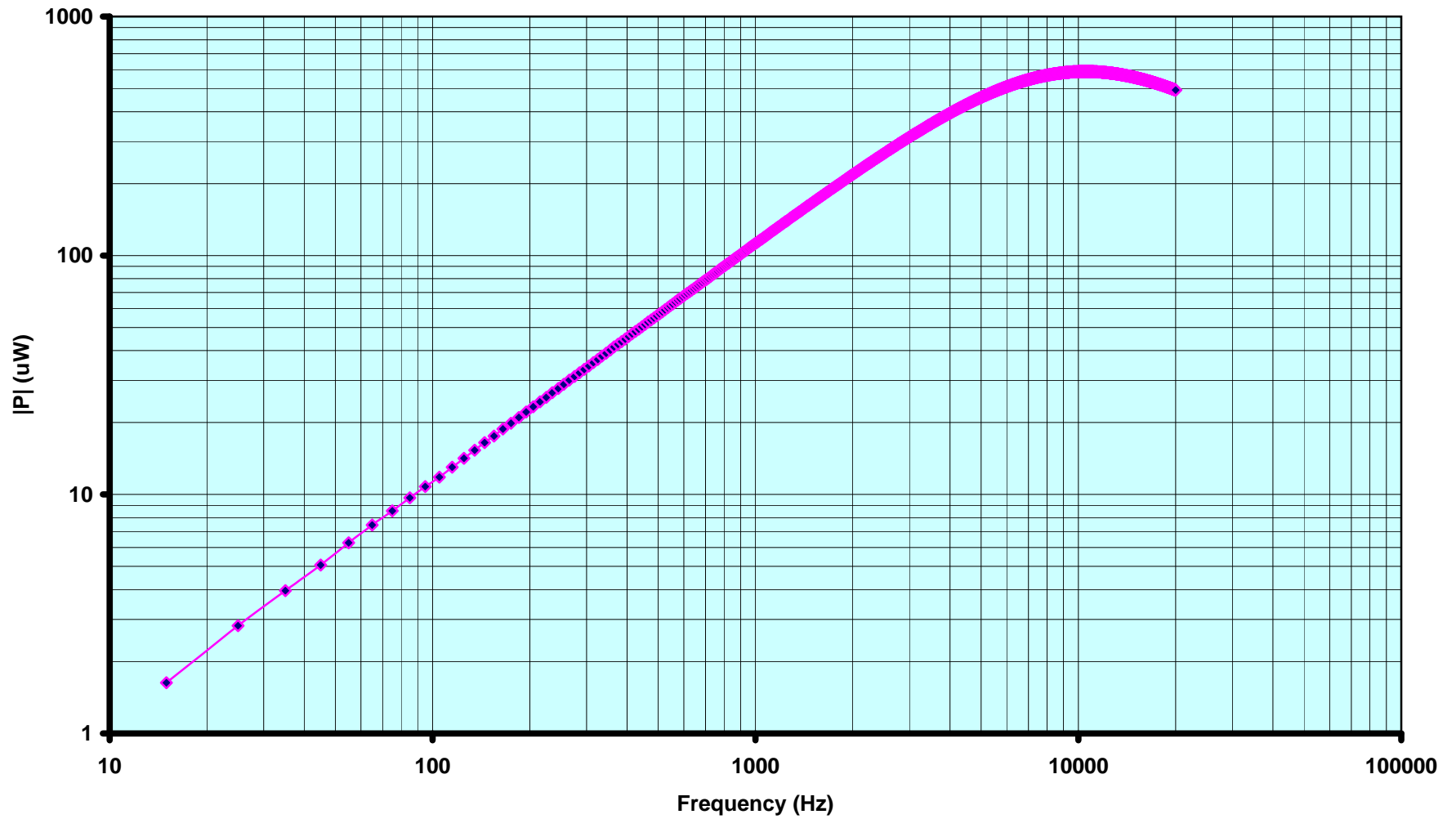
0.1 μ F 600V Sprague 715P Orange Drop Capacitor
 $|\text{Im}(P)|$ vs. Frequency {Vfg = 0.6 Volts, CV}
UIUC Physics 498 EMI 03/15/08



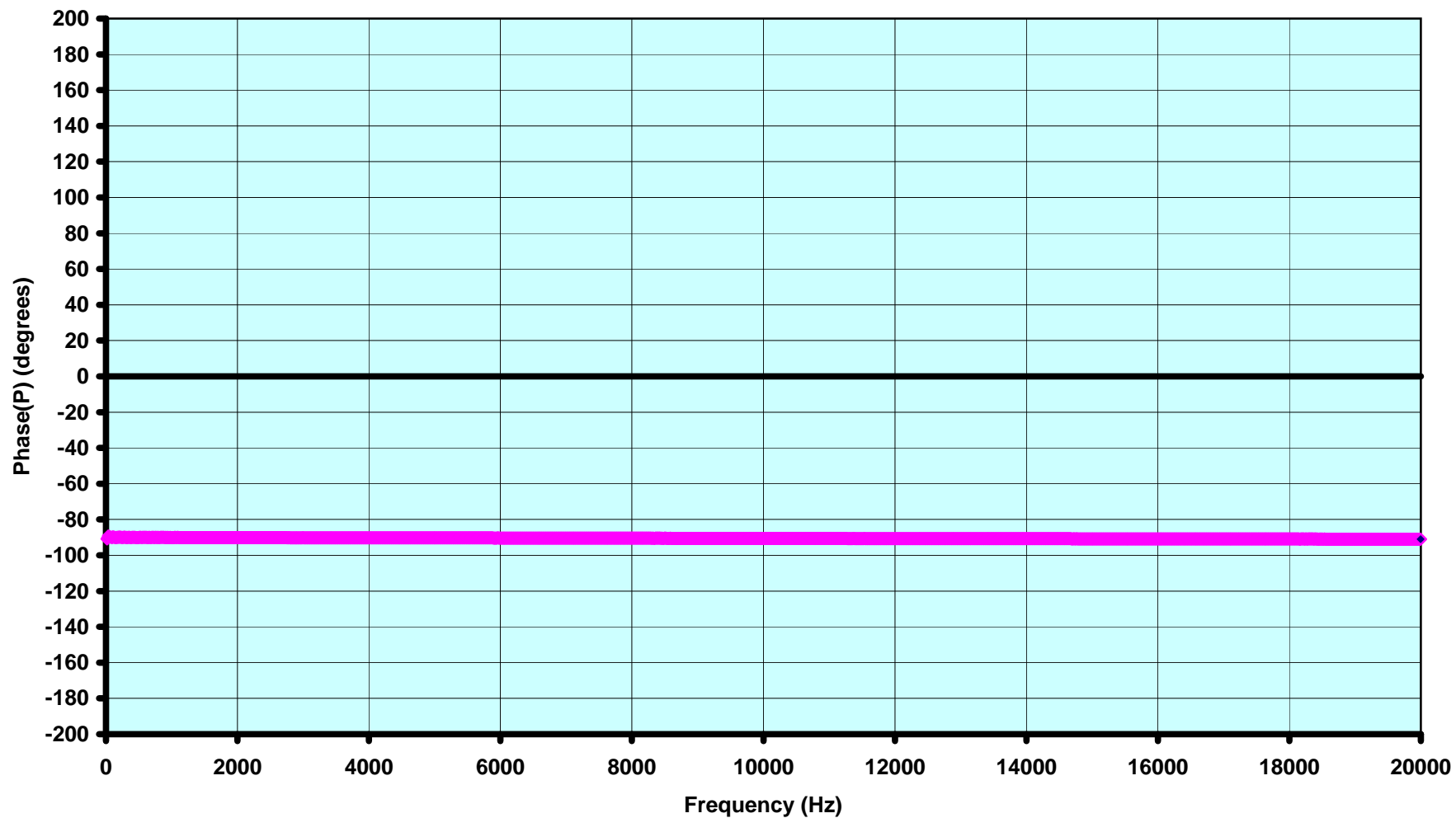
0.1 μ F 600V Sprague 715P Orange Drop Capacitor
 $|\text{Re}(P)|$ & $|\text{Im}(P)|$ vs. Frequency {Vfg = 0.6 Volts, CV}
UIUC Physics 498 EMI 03/15/08



0.1 μ F 600V Sprague 715P Orange Drop Capacitor
 $|P|$ vs. Frequency {Vfg = 0.6 Volts, CV}
UIUC Physics 498 EMI 03/15/08



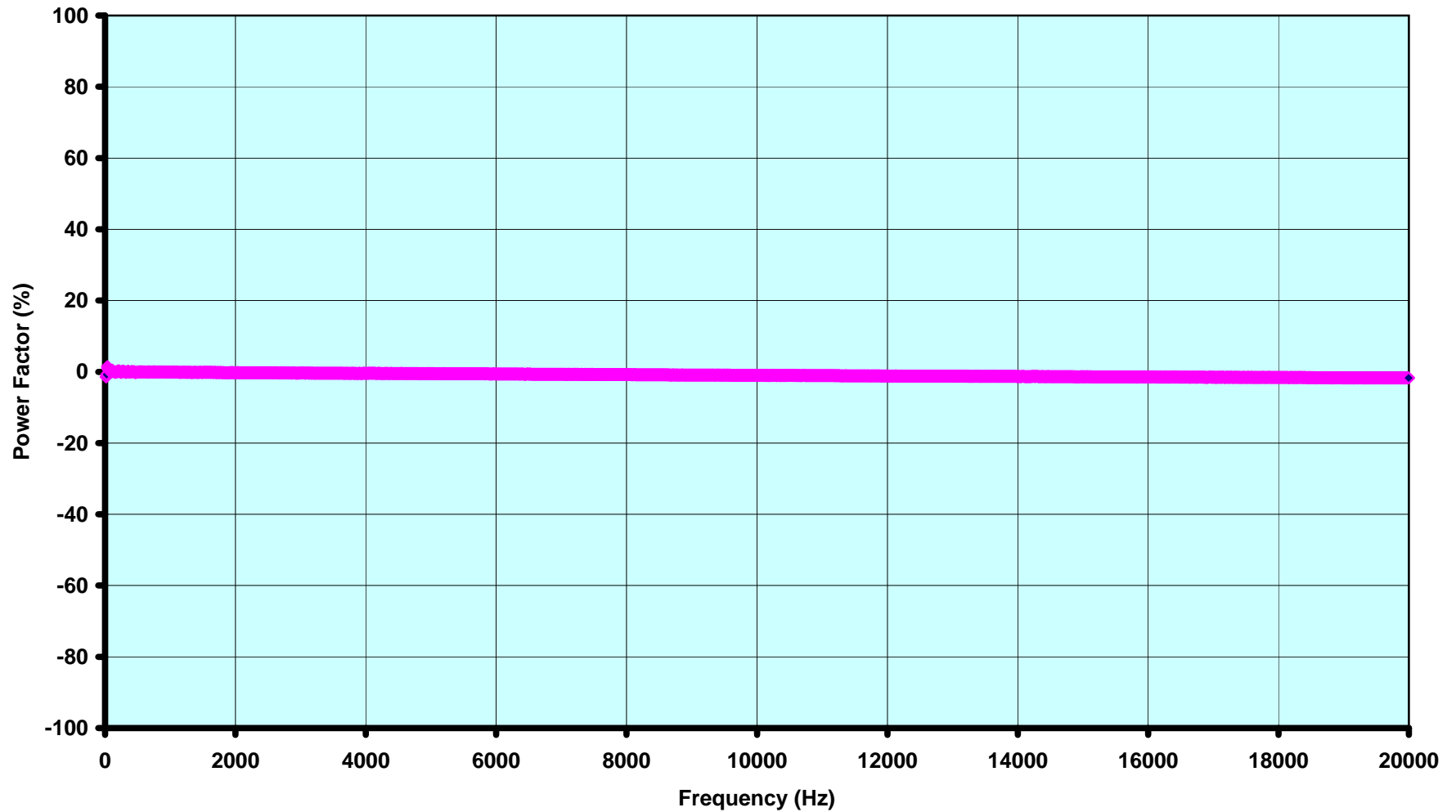
0.1 μ F 600V Sprague 715P Orange Drop Capacitor
Phase(P) vs. Frequency {Vfg = 0.6 Volts, CV}
UIUC Physics 498 EMI 03/15/08



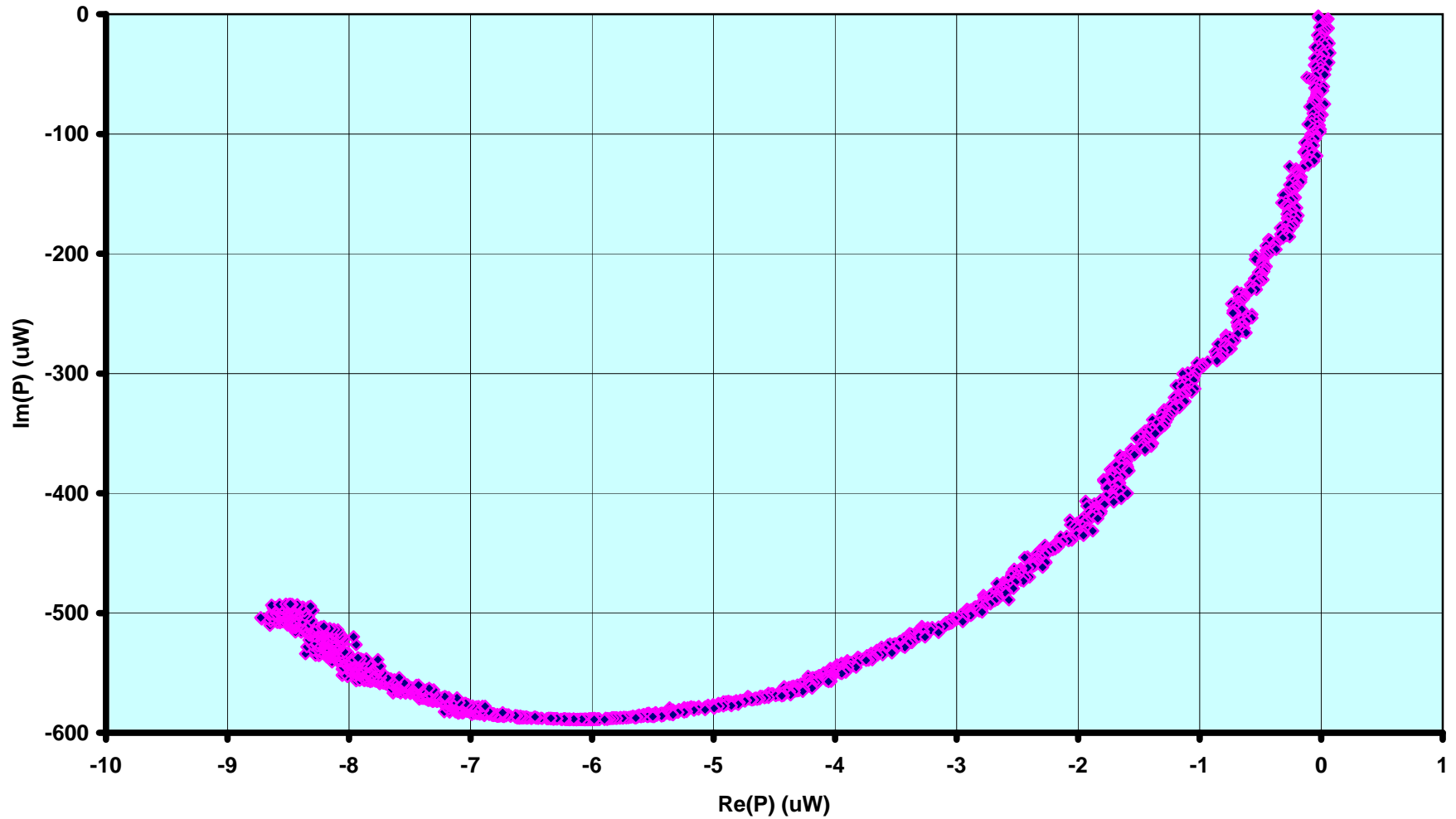
0.1 uF 600V Sprague 715P Orange Drop Capacitor {Vfg = 0.6 Volts}

Power Factor = $100 \cdot \cos(\text{Phase}(P))$ vs. Frequency

UIUC Physics 498 EMI 03/15/08



0.1 μ F 600V Sprague 715P Orange Drop Capacitor
Im(P) vs. Re(P) {Vfg = 0.6 Volts, CV}
UIUC Physics 498 EMI 03/15/08



0.1 uF 600V Sprague 715P Orange Drop Capacitor {Vfg = 0.6 Volts}
Power Dissipation, $D_p = 100 \cdot |\text{Re}(P)|/|\text{Im}(P)|$ vs. Frequency
UIUC Physics 498 EMI 03/15/08

