

Yang, J., **Zhou, H.**, Wave Propagation in a Piezoelectric Ceramic Plate Sandwiched Between Two Semiconductor Layers, International Journal of Applied Electromagnetics and Mechanics, 22, 2005, pp. 97–109

### **Abstract**

We study propagation of anti-plane (SH) waves in a piezoelectric ceramic plate carrying a thin layer of a semiconducting material on each of its major surfaces. Wave attenuation and dispersion caused by semiconduction as well as wave amplification by a biasing electric field are examined.

### **Keywords**

Power conversion, Piezoelectric device