

1. Record Nr.	UNISA996279873803316
Titolo	ANSI/IEEE Std 176-1987 : IEEE Standard on Piezoelectricity / / IEEE
Pubbl/distr/stampa	New York, N.Y. : , : IEEE, , 1988
ISBN	0-7381-2411-7
Descrizione fisica	1 online resource (54 pages) : illustrations
Disciplina	537.2446
Soggetti	Piezoelectricity Piezoelectricity - Standards
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>This standard on piezoelectricity contains many equations based upon the analysis of vibrations in piezoelectric materials having simple geometrical shapes. Mechanical and electrical dissipation are never introduced into the theoretical treatment, and except for a brief discussion of nonlinear effects, all the results are based on linear piezoelectricity in which the elastic, piezoelectric, and dielectric coefficients are treated as constants independent of the magnitude and frequency of applied mechanical stresses and electric fields.</p>