

# Download Crystal Mirror, Volume Two

Crystal Radio Audio Amplifier. Here is a simple audio amplifier using a TL431 shunt regulator. The amplifier will provide room-filling volume from an ordinary crystal radio outfitted with a long-wire antenna and good ground.

Unit cell. Crystal structure is described in terms of the geometry of arrangement of particles in the unit cell. The unit cell is defined as the smallest repeating unit having the full symmetry of the crystal structure. The geometry of the unit cell is defined as a parallelepiped, providing six lattice parameters taken as the lengths of the cell edges ( $a$ ,  $b$ ,  $c$ ) and the angles between them ( $\alpha$ ,  $\beta$ ,  $\gamma$ ).

...Collaborative Computational Project Number 14 (CCP14) For Single Crystal and Powder Diffraction (Freely Available Crystallographic Software for Students and Academia)

Figure 3: Crystal structures. There is an equal number of the two types of ions in the unit cell of the (A) cesium chloride, (B) sodium chloride, and (D) zinc blende arrangements.