倾斜波前 在 平板波导 中 产生

多周期 太赫兹 声子极化波

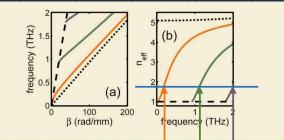
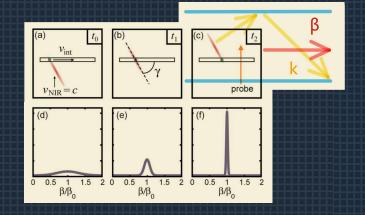


FIG. 1. (Color online) (a) Calculated dispersion relations for electromagnetic waves in air (dashed line) and for bulk (dotted line) and waveguide (solid lines) phonon-polariton modes in LiNb O_3 . β is the propagation constant or wave vector. (b) The frequency-dependent e fective index corresponding to each dispersion curve.



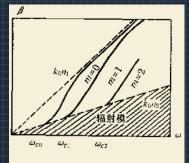
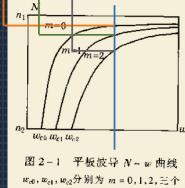


图 2-2 平板波导β~ω曲线 $\omega_{c0}, \omega_{c1}, \omega_{c2}$ 分别为 m = 0, 1, 2, 分别为三个导模的截止频率



导模的截止厚度

