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$n (E) = n (\infty) + (B 0 E + C 0) E 2 - B E + C. {\displaystyle n (E)=n (\infty)+ {\frac { (B_ {0}E+C_ {0})} {E^ {2}-BE+C}}\ }$ The five parameters A, B, C, E g, and n (∞) each have physical significance. E g is the optical energy band gap of the material. A, B, and C depend on the band structure of the material.

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$$n(E) = n(\infty) + (B_0 E + C_0) E^2 - BE + C. \quad \displaystyle n(E) = n(\infty) + \frac{(B_0 E + C_0)}{E^2 - BE + C}$$

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