

No, the answer is incorrect.

Score: 0

Accepted Answers:

increases

10) If the dispersion characteristics of a confined mode in a 2D SOI waveguide is given by $n_{eff} = p_1 \lambda^2 + p_2 \lambda + p_3$, where $p_1 = -1.13 \times 10^{11}$ [1/m²], $p_2 = -3.557 \times 10^5$ [1/m], and $p_3 = 3.509$, over the range of 1520 – 1580 nm. The group velocity of the mode at 1550 nm is _____ $\times 10^8$ m/sec. (answer in 2 decimal points)

No, the answer is incorrect.

Score: 0

Accepted Answers:

(Type: Range) 0.75,0.85

1 point

11) For same waveguide width and height, at a particular wavelength, the effective index of fundamental mode in rib waveguide is larger than the effective index of fundamental mode in strip waveguide.

- True
- False

No, the answer is incorrect.

Score: 0

Accepted Answers:

True

1 point