

High-frequency dynamics of evanescently-coupled nanowire lasers

Data associated with a manuscript on numerical investigation of high-frequency dynamics of evanescently-coupled nanowire lasers. This dataset includes the data for the figures in the manuscript.

List of files included:

Dataset Fig1.xlsx:

Data of the Fig.1 showing relationship between $\kappa\tau_p$ and the separation between NWs for the HE_{11a} (in blue) and HE_{11b} (in orange) modes.

Dataset Fig2(a).xlsx:

Data of the Fig.2(a) showing Saddle-node (S) and Hopf (H) bifurcations calculated from equations (6) and (7) [from manuscript] for the HE_{11a} mode.

Dataset Fig2(b).xlsx:

Data of the Fig.2(a) showing Saddle-node (S) and Hopf (H) bifurcations calculated from equations (6) and (7) [from manuscript] for the HE_{11b} mode.

Dataset Fig3.xlsx:

Data of the Fig.3 showing stability boundaries for the HE_{11a} and HE_{11b} modes of the coupled InP NW laser system investigated in this work at zero frequency offset.

Dataset Fig4.xlsx:

Data of the Fig.3 showing frequency of periodic oscillations at zero frequency offset for the HE_{11a} mode.

Additional Information:

N/A