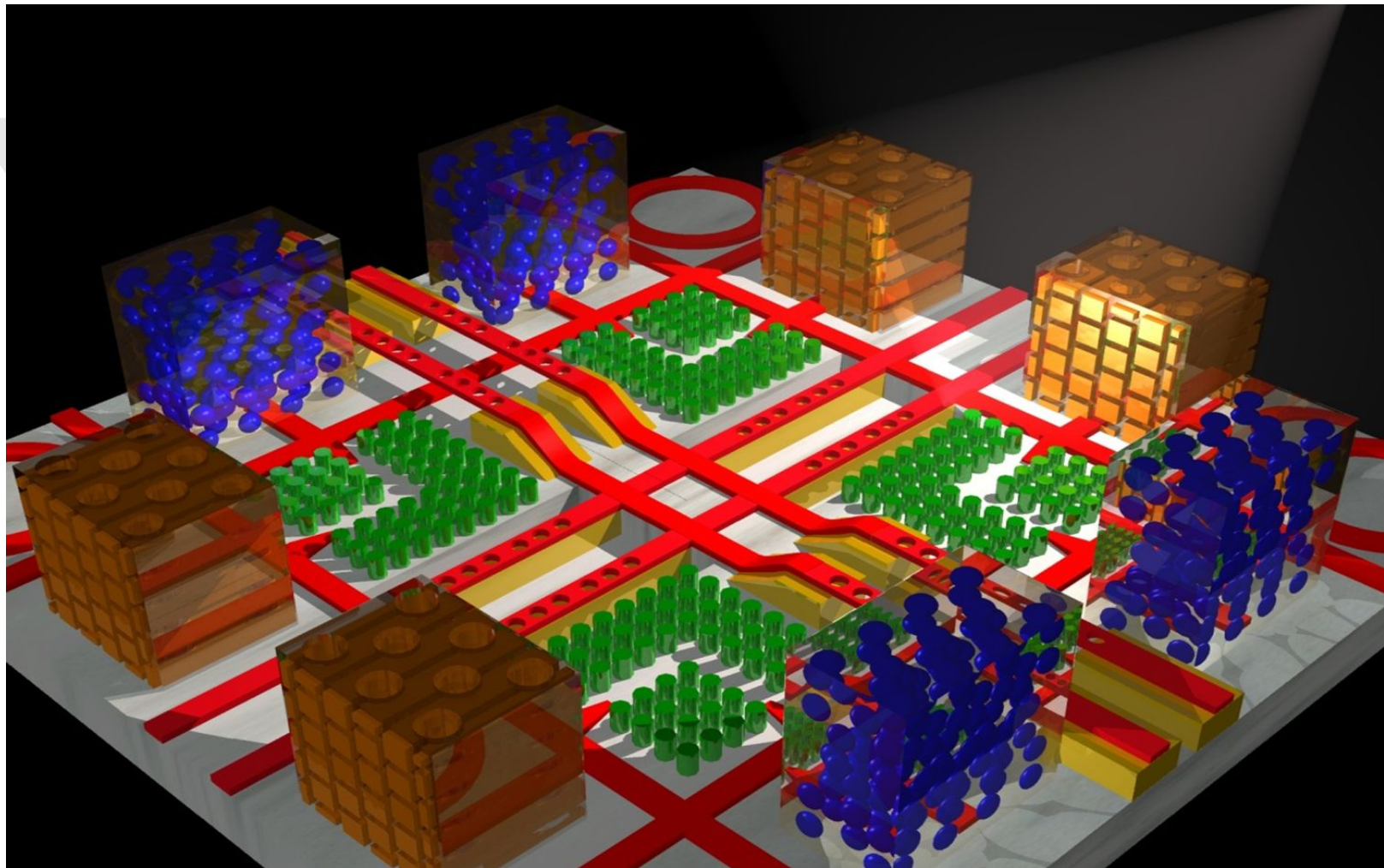


# Šíření světla v nanostrukturách

W. Bureš, V. Minárik

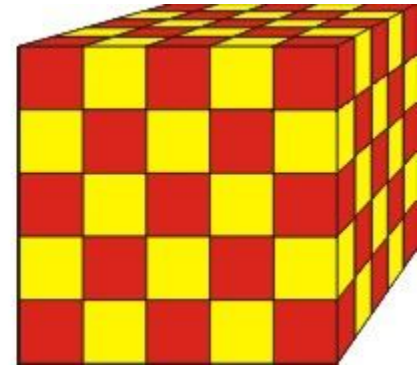
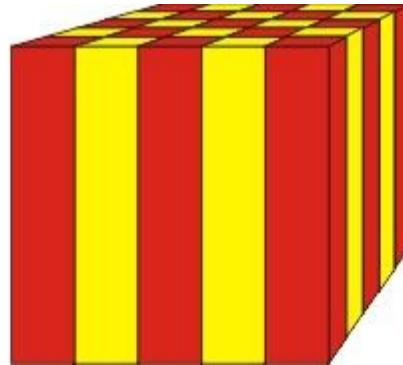
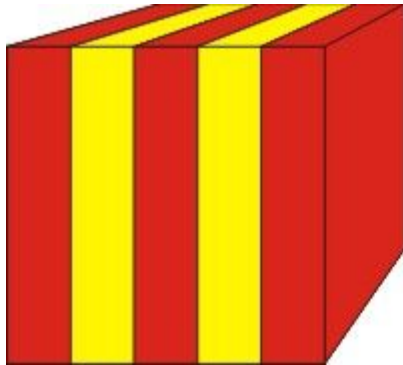






# Fotonický krystal

- Periodicky opakované změny indexu lomu



# Ansys Lumerical

The screenshot displays the Ansys Lumerical 2022 R1 Finite Difference IDE interface. The main workspace is divided into four views: XY view, Perspective view, XZ view, and YZ view. The XY view shows a top-down view of a hexagonal lattice of cyan spheres with a central dipole source. The Perspective view shows a 3D view of the lattice. The XZ and YZ views show side views of the lattice with blue arrows indicating the direction of the dipole source.

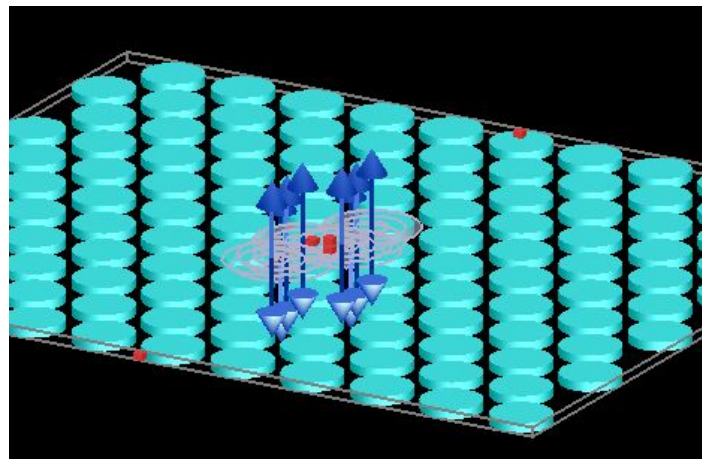
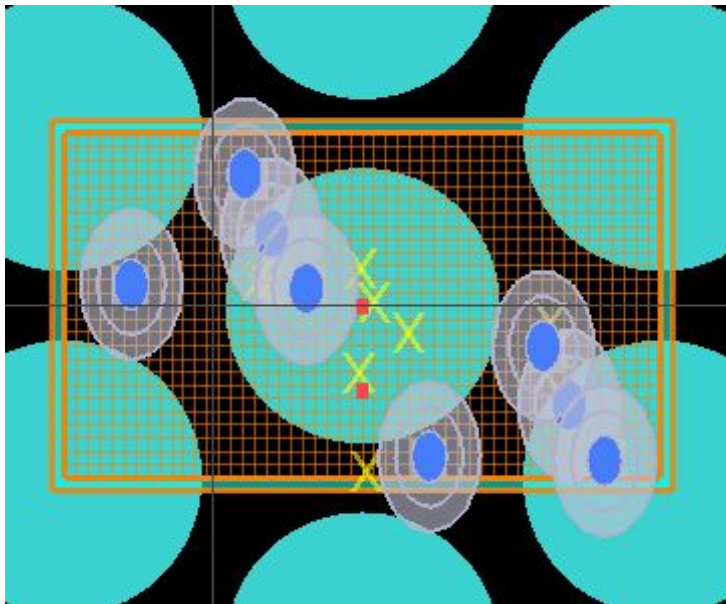
The interface includes a menu bar (File, Edit, View, Setting, Simulation, Help), a toolbar with various simulation tools, and several panels:

- Objects Tree:** Lists the model components, including a hexagonal photonic crystal (hex\_pc) and a dipole source (dipole\_cloud).
- Result View:** Displays simulation results, including dimensions and values.
- Optimizations and Sweeps:** Lists optimization parameters such as K-Gamma, M-K, and Gamma-M.

The status bar at the bottom shows the coordinates: x: 3.15, y: -2.32, z: <

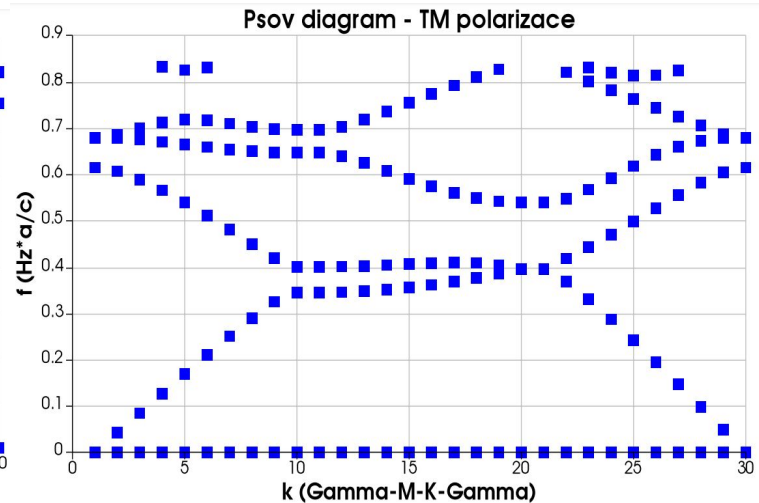
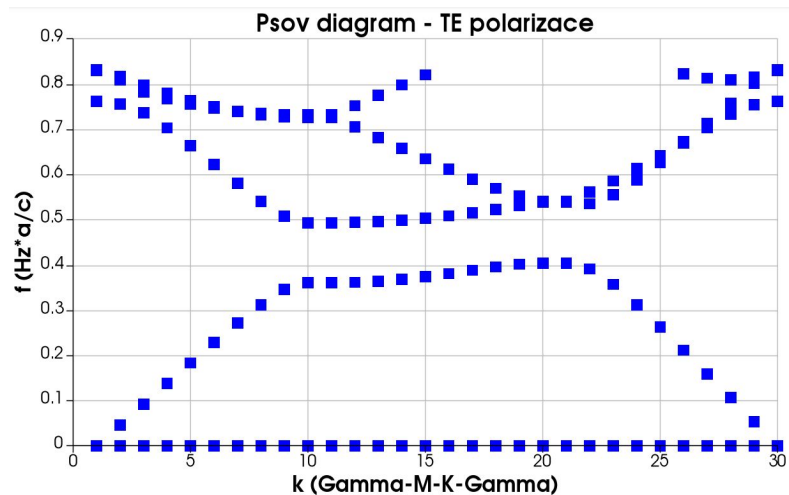


# Teoretická simulace

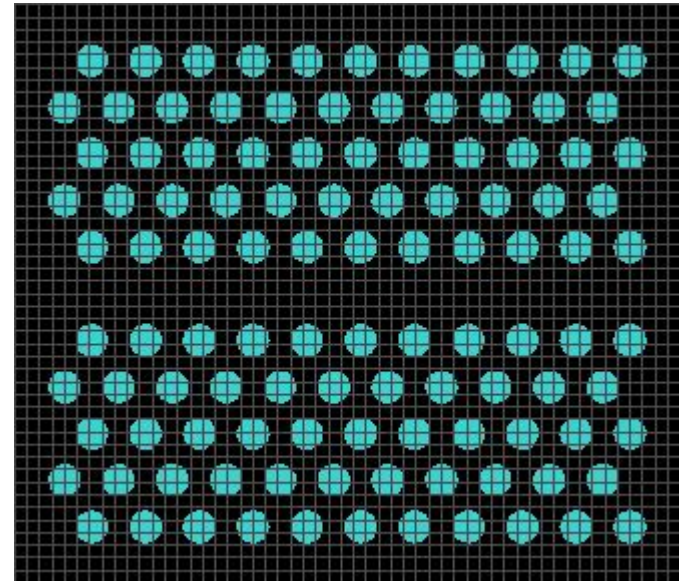
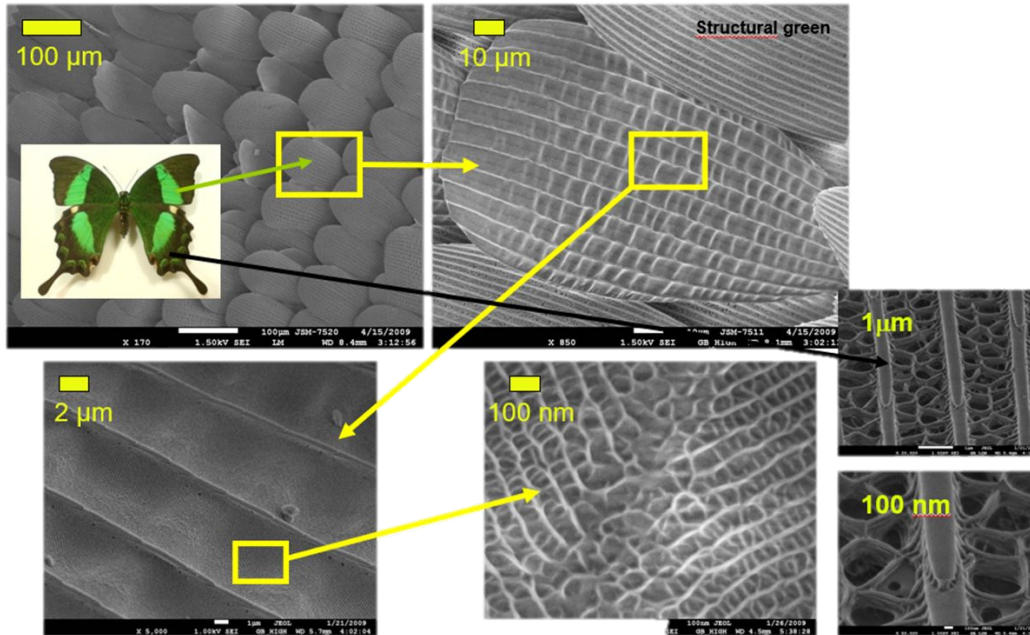




# Výsledek



# Příklady



<https://streamable.com/kk602h>



# Zdroje

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**Děkujeme za pozornost!**