

- ▶ Разработка и отладка нового программного обеспечения проектирования и исследования оптических приборов и систем на базе современных средств компьютерного моделирования, включая стандартные и специализированные пакеты прикладных программ

The image shows a person from behind, looking at a computer monitor. The monitor displays a software application for 'Scanning Line Determination'. The interface includes a control panel on the left with a 'Rotate Clockwise' button. The main window shows a code editor with C++ code for 'CalcParameters' in a class named 'Zond'. The code includes comments in Russian and defines parameters for a fiber tip. A class explorer on the left lists various classes like 'Border', 'CalcZondField', 'CFFT', 'CFiberTipApp', etc. A plot window shows 'SNOM tip characteristics' with a fiber tip diagram and a color-coded field distribution. The plot has axes 'X, mkm' and 'Y, mkm' ranging from -1.00 to 1.00. A color scale legend on the right lists values from 5.5e-002 to -0.16. A control panel on the right allows setting 'near-field length: 300 nm', 'tip length: 700 nm', and 'tip aperture: 150 nm'. The status bar at the bottom shows 'Ready' and coordinates 'X: 0.00 Y: 0.00'.