

Special project 3 (due Nov.28)

Project title: Polarization art

Main objectives: to produce a piece of art using polarizers and transparent materials only.

Let's explore a scientific way of making colors! Many transparent materials are photoelastic, i.e. can rotate the light polarization under stress. Thus, when placed between the polarizers they can produce many colors. So explore various materials in your everyday life (plastic wrappers, boxes, utensils, etc.), and make a piece of art using them (and some polarizers). You should use the small polarization glasses and the polarizers I gave you – but if your creativity requires larger scale, let me know – you may be able to borrow a pair of big polarizers.

The final report will include the picture of your art piece, your original artistic idea and a brief description of used materials. Feel free to make more than one pictures!

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