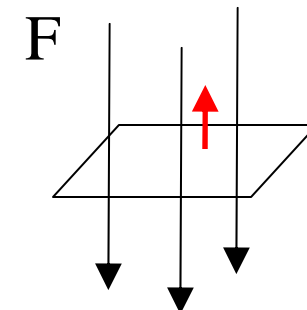
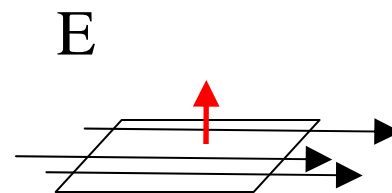
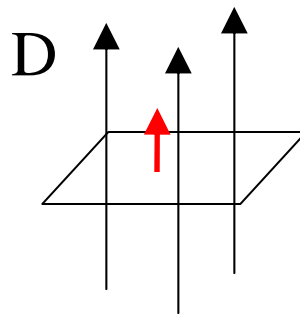
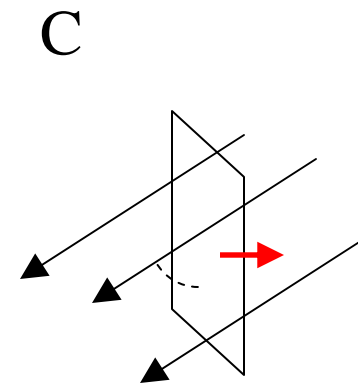
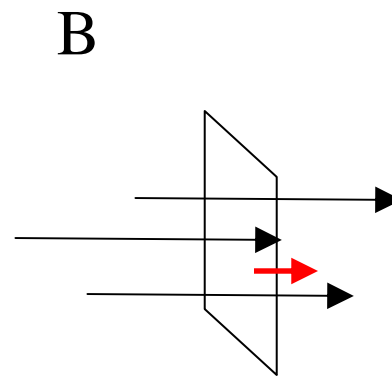
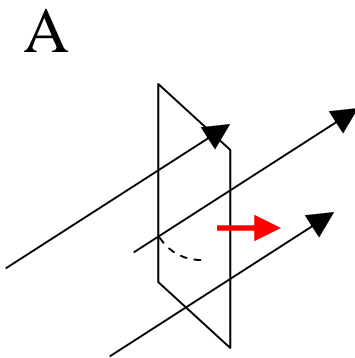


Rank the following pictures according to the value of the electric flux.

(All electric fields are uniform.)

Areas and field strengths are the same throughout.)

Area vectors in red.



(+) B&D, A, E=0, C, F (-)

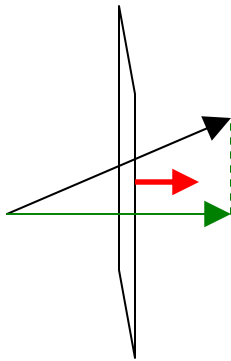
Rank the following pictures according to the value of the electric flux.

(All electric fields are uniform.)

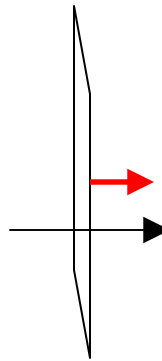
Areas (shown edge-on) are the same throughout.

Electric field vectors show strength (as usual.)

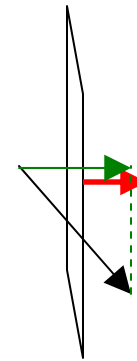
A



B

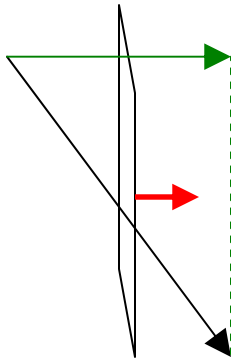


C

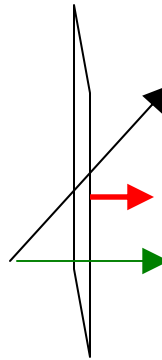


(++) A&D, B&E, C&F (+)

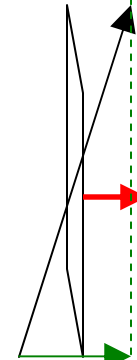
D



E



F



This blue translucent cube is 1m on a side, and has a charge density of $\rho = 8\mu\text{C}/\text{m}^3$

How much charge is enclosed by...

...0.5m cube at center?

$$1\mu\text{C}$$

...0.5m cube at one corner?

$$1\mu\text{C}$$

...2m cube with same center?

$$8\mu\text{C}$$

...2m cube with one side passing through the charged cube's center?

$$4\mu\text{C}$$

