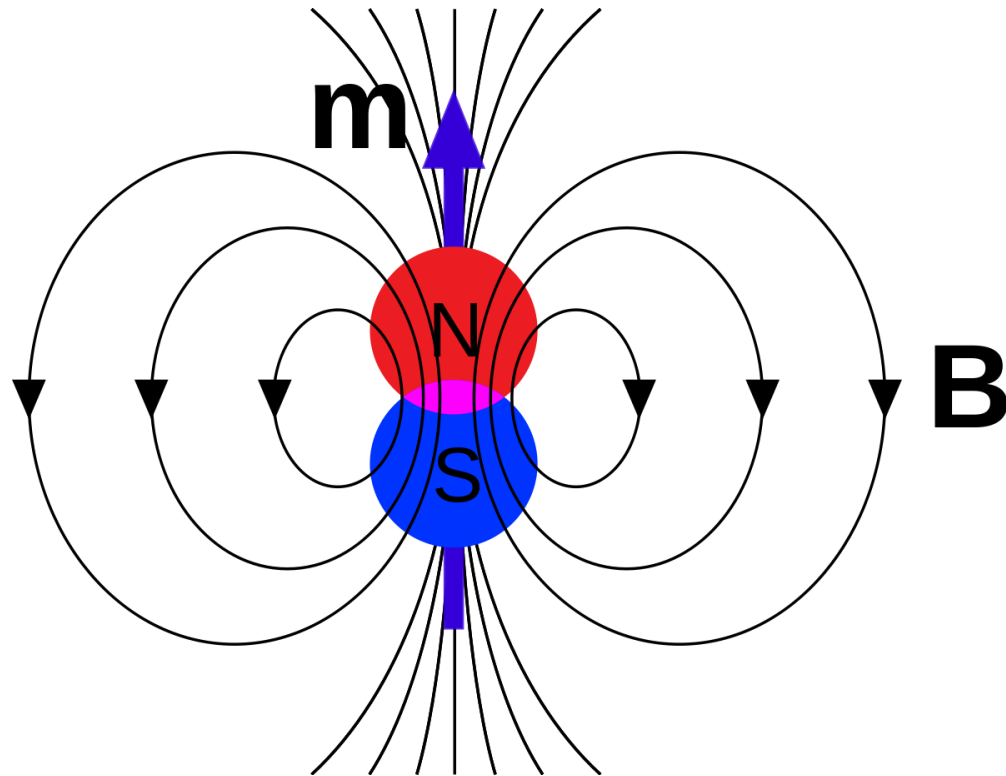What is the physical interpretation of $\oint \mathbf{A} \cdot d\mathbf{l}$?

A. The current density $\mathbf{J}$

B. The magnetic field $\mathbf{B}$

C. The magnetic flux Φ_B

D. It's none of the above, but is something simple and concrete

E. It has no particular physical interpretation at all

ANNOUNCEMENTS

- Final Exam: Tuesday Dec 11th
    - 12:45pm-2:45pm
    - In this room (BPS 1415)
    - See me for accomodations
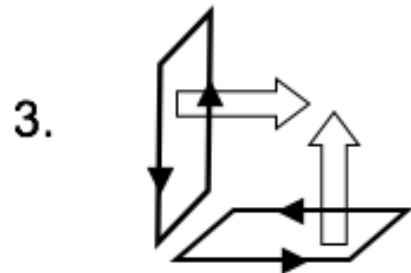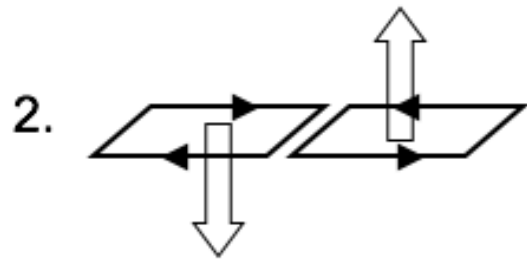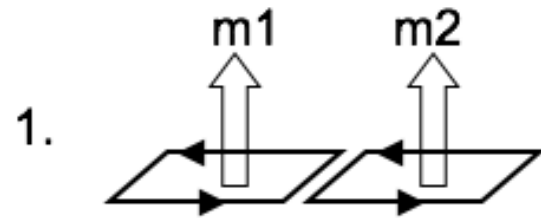   - Details on Monday

MAGNETIC DIPOLES

The leading term in the vector potential multipole expansion involves:

$$\oint d\mathbf{l}'$$

What is the magnitude of this integral?

A. R

B. $2\pi R$

C. 0

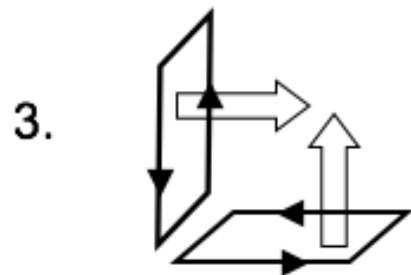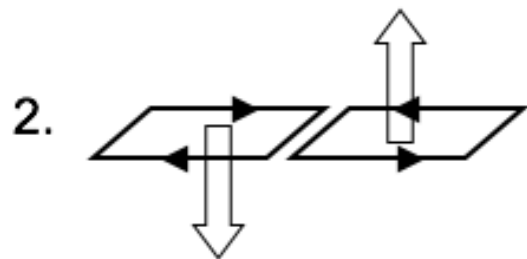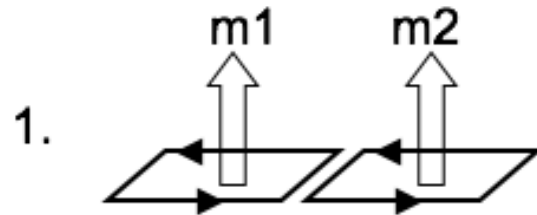D. Something entirely different/it depends!

Two magnetic dipoles m_1 and m_2 (equal in magnitude) are oriented in three different ways.

Which ones can produce a dipole field at large distances?

A. None of these
B. All three
C. 1 only
D. 1 and 2 only
E. 1 and 3 only

Two magnetic dipoles m_1 and m_2 (**unequal** in magnitude) are oriented in three different ways.

Which ones can produce a dipole field at large distances?

A. None of these
B. All three
C. 1 only
D. 1 and 2 only
E. 1 and 3 only

MAGNETS, HOW DO THEY WORK?

Insane Clown Posse - Miracles (Official Music Video)

17,971,827 views   👍 88K   👎 117K   ➤ SHARE   ≡+   •••

Insane Clown Posse - Miracles

PARAMAGNETISM & MAGNETIC DOMAINS