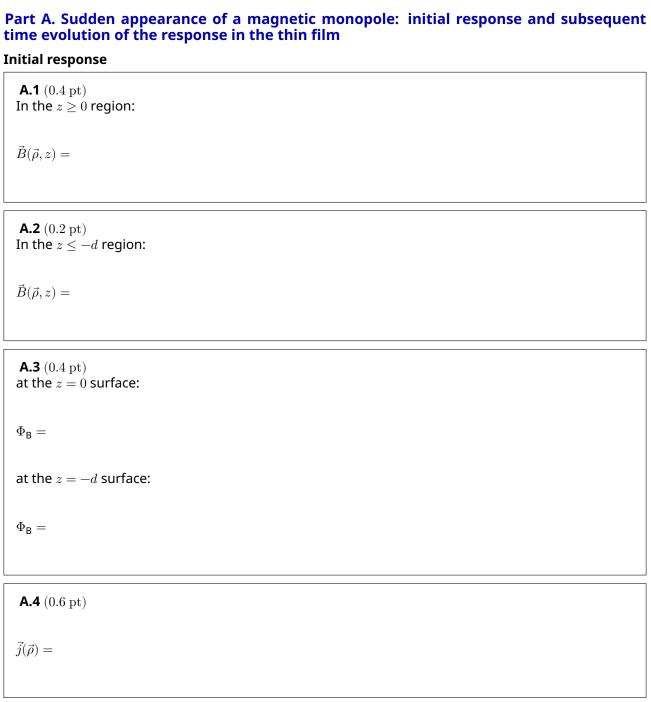


Magnetic Levitation

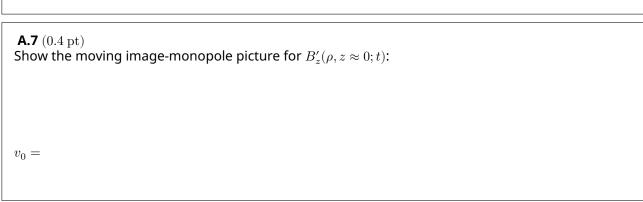




Subsequent response







Part B. Magnetic force acting on a point-like dipole moving with a constant velocity and at a constant h

A moving monopole

B.1 $(0.8~{
m pt})$ Positions of the $q_{
m m}$ type image monopoles: Positions of the $-q_{
m m}$ type image monopoles:





B.2 $(0.7~\mathrm{pt})$ Summation form of $\Phi_+(x,z)$ =	=		
$Calculate\; \Phi_+(x,z) =$			
A moving dipole			
B.3 (1.5 pt)			
$ec{F}=% {\displaystyle\int\limits_{i=1}^{\infty}} \left[{\displaystyle\int\limits_{i=1}^{\infty}} $			
Relation between v_{0} and v_{\parallel}			
B.4 (0.3 pt)			
$\mbox{Value of } v_0 =$			
B.5 $(0.4 \mathrm{pt})$ Small v regime:			
$v_0(v) =$			
Large v regime:			
$v_0(v) =$			
B.6 $(0.3 \mathrm{pt})$			
$v_{c} =$			



Part C. Motion of the magnetic dipole when the conducting thin film is superconducting

	3		
C.1 (1.2 pt)			
$h_0 =$			
C.2 (0.8 pt)			
$\Omega =$			
C.3 (0.7 pt)			
$Value \; of h_0 =$			
C.4 (0.3 pt)			
Value of $\Omega=$			