TABLE 3

ELECTRIC AND MAGNETIC FIELD, WAVE, SPEED AND ENERGY FUNCTIONS FOR OSCILLATING MASSBOUND MONOPOLAR CHARGES, EXEMPLIFIED FOR THE TC728.

CLASSICAL	AToS	TC728
ELECTRIC		
V_{2°	$W_{v2^\circ} = C_{2^\circ} * F_A$	$3.45 * 10^9$ m sec^{-1}
$V_{2^\circ} / C_{2^\circ}$	$F_A = W_{v2^\circ}/n\,\lambda_{y1}$	4,185 sec^{-1} =∫= $7.698 * 10^{13}$ V/Farad
-	$\omega_A = 2\pi F_A$	$2.6295 * 10^4$ rad sec^{-1}
$C_{2^\circ} = Q_{2^\circ}/V_{2^\circ} = C_{1^\circ}(V_{1^\circ}/V_{2^\circ})^2 = = [4\pi^2 L_{2^\circ} F_C{}^2]^{-1}$	$C_{2^\circ} = n\lambda_{y1} = n\,\mathbf{p}_e/W_{v2^\circ}$	$8.2518 * 10^5$ m =∫= $6.495 * 10^{-10}$ F
-	$a_A = C_{2^\circ} F_A{}^2 = W_{v2^\circ} F_A$	$1.445 * 10^{13}$ m sec^{-2}
$n = Q_{2^\circ}/q$	$n = C_{2^\circ}/\lambda_{y1} = Q_{2^\circ}/\mathbf{p}_e$	$2.038 * 10^{14}$ [MB Charges]
$Q_{2^\circ} = n * q$	$Q_{2^\circ} = n * \mathbf{p}_e$	$2.847 * 10^{15}$m^{2}sec^{-1} =∫= $3.27 * 10^{-5}$C
MAGNETIC		
q/m_e	$W_k = 2\pi\,\mathbf{B}_{2^\circ MB}{}^{-1} * F_B = N * 2\pi r_{MB} * F_B$	$2.5466 * 10^6$ m sec^{-1}
$\upsilon_{cyclo} = \frac{q^B}{2\pi\, m_e}$	$F_B = \mathbf{B}_{2^\circ MB} * W_k/2\pi = \mathbf{p}_e\,\mathbf{B}_{2^\circ MB}/2\pi\,\lambda_e$	$9.556 * 10^6$ sec^{-1}
$\omega = 2\pi\,\upsilon_{cyclo}$	$\omega_B = 2\pi\,F_B$	$6.010 * 10^7$rad sec^{-1}
-	$\lambda = N * 2\pi\, r_{MB} = W_k/F_B$	0.2665 m
$\mathbf{B} = \frac{2\pi\upsilon_{cyclo} * m_e}{q}$	$\mathbf{B}_{2^\circ MB} = 2\pi\,F_B/W_k = 2\pi\,F_B * \lambda_e/\mathbf{p}_e$	23.577 m^{-1} =∫= 3.4138 gauss
-	$r_{BMB} = \mathbf{B}_{2^\circ MB}{}^{-1} = W_k/2\pi\,F_B$	$4.240 * 10^{-2}$ m
-	$r_{MB} = (\mathbf{B}_{2^\circ MB} * N)^{-1} = W_k/2\pi\,F_B * N$	$5.826 * 10^{-5}$ m
-	$2\pi\, r_{MB} = W_k/F_B * N$	$3.660 * 10^{-4}$ m
-	$a_{LMB} = W_k\,F_B$	$2.4335 * 10^{13}$ m sec^{-2}
$E_k = q * V = 0.5\, m_e\, v^2$	$E_k = \mathbf{p}_e\, W_{v2^\circ} = \lambda_e\, W_k\, W_{v2^\circ} = = \lambda_e(2\pi\,\mathbf{B}_{2^\circ MB}{}^{-1} * F_B)\,(C_{2^\circ} F_A) = = \lambda_e(N * 2\pi\, r_{MB} * F_B)\,(n\,\lambda_{y1} F_A) = = \lambda_e\, v^2$ =∫= $m_e v^2$	$4.8197 * 10^{10}$ m^3 sec^{-2} =∫= 50 KeV
$v = \sqrt{2E_k/m_e}$ ($1.325 * 10^8$ m sec^{-1})	$v = \sqrt{E_k/\lambda_e} = (W_k * W_{v2^\circ})^{0.5}$	$9.373 * 10^7$ m sec^{-1}
-	$a'_{MB} = \sqrt{a_A * a_{LMB}}$	$1.875 * 10^{13}$ m sec^{-2}
$F_C = [2\pi(L * C_{2^\circ})^{0.5}]^{-1}$	$F_C = (F_A * F_B)^{0.5} = v/(C_{2^\circ} * 2\pi\,\mathbf{B}_{2^\circ MB}{}^{-1})^{0.5}$	$2 * 10^5$ sec^{-1}
-	$\mathfrak{E}_{MB} = W_k\, W_{v2^\circ}/\,\mathbf{p}_e = E_P/h = \upsilon$ [Planck's]	$6.2889 * 10^{14}$ sec^{-1} (also frequency of BB Photons)