Some Remarks on the Howard Johnson Magnice Mators. ( WWW. rexresearch. con/johnson/1 johnson. Dtm) There is no doubt that these notars my within my uput of electricity a external energy. The process is demostrable is several working modely and does not violate to Noether Fleven. Linear and rotating models have been contracted formulated by Harrisa. The latter postulater à fre of to type: F = mins where m, and m, are magnetic margles and lue pro .. Ro S.I. magnic permedil 5 Here r is the distance Setween of two migratic mopolos. Harrisa la proceeds to carry at computer simulations of the magnetic atop of Howard Johnson. Pere computer simulations appear to be well carried out.

2) In Maxwell Heaville Army le magnétic vanopoles de not exist:  $W' = W^3 = 0$  (3) (WH) -(3) so de free i eq (i) dues nut exist. In ECE Alegy, le largereur field egration is d N F = M. j - (3) il le ilex less notation used to avoid le structure of the egyption. In a rowe complete notation: dnFa.moja-(4) where a is a plantation rilex. There exists a ragnific change-current dessity defrant sy:

ja = A(0) (Rab Na/- ab NT)

10 (5) ja has seen been Re délade strutus of Its time-like gier ir Le nongrephs. m, and ma in part i Roorge of

3) Harrisa's eq. (1). Renefore, if:

R°6 A Q b + w°6 A T b - (6) Ité vanspoles. m, and may le non-zero. It tensor notation eq. (4) is: Ju For + Jo For = 10 ( jump + j a + j ~ pm - (7) Juf 2/2 = 10. j 2 ~ (8) Fam = 1/8/113 (m) = -(9) is the Hodge dwal tensor of Fap. The Hodge deal current is:

Jao: = 3 ( 1/9 | 1/3 = 1/2 | 1/3 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1 The magnitic monophe is defied by:  $\sim = 0$  — (11) in Eq. (8), so It Gauss Law of magnifican be cons

4) 5  $\overline{\Delta} \cdot \overline{\beta} = v \cdot \underline{j} = v \cdot \underline{$ releve j'es la régrétic monapole. the current term in general is defined by: Jan = A (0) (Ram - and Thum)  $= \left(\begin{array}{c} 13 \\ 3 \\ 3 \end{array}\right) - \left(\begin{array}{c} 13 \\ 4 \\ 3 \end{array}\right)$ j α = A (ω) ( ~ α μο - ω μο Τ ο ) - (15)

μο  $\frac{\nabla \cdot \mathbf{B}^{a}}{\nabla \cdot \mathbf{B}^{a}} = A^{(0)} \left( \widetilde{R}^{a} \mu^{0} - \omega_{\mu b} \widetilde{T}^{b} \mu^{0} \right) \left( -(\mathbf{K})^{a} \right)$ Units (Red (A (0) = volts, A (0) = netres x | B a |  $m^{-1} = m (m^{-3} - m^{-1}n^{-1})$ Summation is implied ever to reported in and b idies is eq. (16)

Je S. T. unts of the magnetic monopole wed by Harrison are m = (Fno) 1/2, - (17) for eq. (i). Here: F = rentors = fight ms

Js2 (-2 m -1) = kgm m s - 3 s ? c - 3 m - 1 m = (kgm² m² (-) s) 1/3 m n = kgm n 2 (-1 s -1 ] = Js (-1) Reunits of magnetic flux desorts are:  $b = tesla = Js C^{-1}n^{-3} = Wn^{-3}$ Rerefale: 55 C-1 n-3 Remote Houndis of the magnitude shows Six  $\boxed{\nabla \cdot B^{\alpha} = \frac{m^{\alpha}}{\sqrt{1}}} - (18)$ So for eqs. (16) and (18):  $m = VA^{(0)}(R^{a} - \omega_{\mu b} T^{b})$ -(19)

Pe magnéric change dersity u therefore: m = A (0) (R n no - a nb T buo) - (3 and the face between the magnetic change in is given by Harrison's equation (1). Re condition for Ro existence of mais

Ranco + was Thuo - (21) If this genetical contin is satisfied in Resign used by Johnson, the Roman analysis by Harrison applies. Spir Correction Resorance In eq. (3):  $F = d \wedge A + \omega \wedge A - (22)$ dn(dnA+60nA)=10.j - (23) ging le possisility of resonance Ever a very small jean give ise to large effects.