Granty 9) ICTP
Nicolas Tunes - Black Holes, Binary Systems & Grav. Waves
Dinary Dystens & grav. Vaves
- syllabos: · Kerr BH
· EMRI
· Comparable-mass binaries · Blt pert. theory
Lerr B11
- Boyer-Lindquist metric
1 52 5 - (1 - 2MT) df2 - 4Mar sin2 Altdq
$+ \frac{2}{3^{2}} \sin^{2} x d^{2} + \frac{3^{2}}{\Delta} d^{2} + \frac{3^{2}}{\Delta} d^{2} + \frac{3^{2}}{\Delta} d^{2}$
where $\Delta 537-2/15+92$ $5 = (32+92)^2-92\Delta 5m^2L$
- J Gut going Kerr metric, J Kerr - Schild which decon poses as d's = ydpdxdxpr Hlalpdxdxs gasyn pt. flat - props> stationary (not static) M & M * M * M * M a = JADM/M ADM Kerr Sporr pam. a/M & (-1,1)

- F = x-1/2 = 0 is a null ste
- is this a Bu?
Kert schumm =
$$\frac{48M^2}{5^2}$$
 (reallarly

$$|\text{Left schumm} = \frac{48M^2}{9^2} \left(r^2 + 4^2 \ln^2 r^4 \right) \left(4^4 - 16 \ln^2 r^2 \ln^2 r^4 \right)$$

$$= 9^2 + 3^2 + 4^2 \ln^2 r^4 + 6 \ln^2 r^4 \ln^2 r^4 +$$