```
Minkonski metric is:-
ds'= dt'-dx'-dg'-dz'
In cylindrical coordinate system:-
    X= rcoso -) doc= droso + rt-sinoldo
       y = r sin 0 -) dy = dr sino + r (coso) do
       2 = 2.
                         -) dz = dz
  W = d\theta d\theta = wdt
        dx2 = (dr coo + wr sine dt)
             = dr2co20 + w2r2m20 dt2 - 2wrsin0coodrdt
            = de 2 co20 + w2 er2 sin2 odt2 - wx sin2 odrdt
       dy' = (drsing +wr cose dt)2
              = der sinzo + w2 er 2 colodt 2 + 2 wer sinocosodrale
              = derzinzo + wzaz (orodt + wasin 20 dade
7) do 2 = dt - de2 (co20+ m20) - w2er (m20+co20) dt2
                 + wrspredadt -wrsinzodadt -dz2
       = dt^2 - dx^2 - w^2 x^2 dt^2 - dz^2
= (1 - w^2 x^2) dt^2 - dx^2 - dz^2
Thus the metric negety:-
ds^2 = (1-\omega^2 n^2) dt^2 - dn^2 - dz^2
```