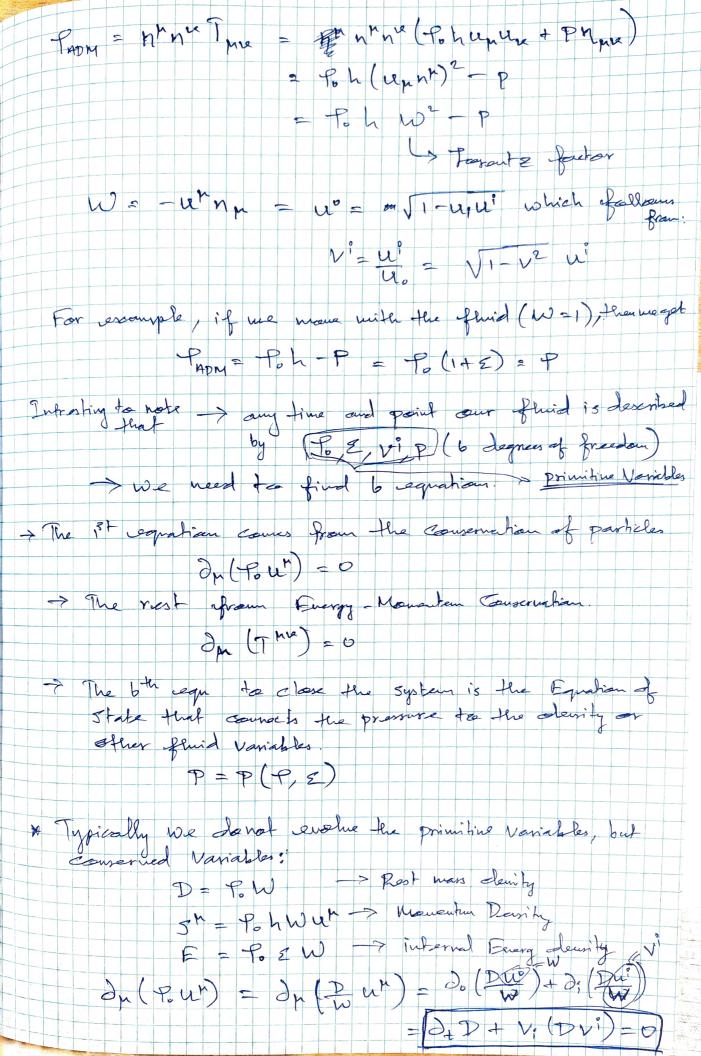
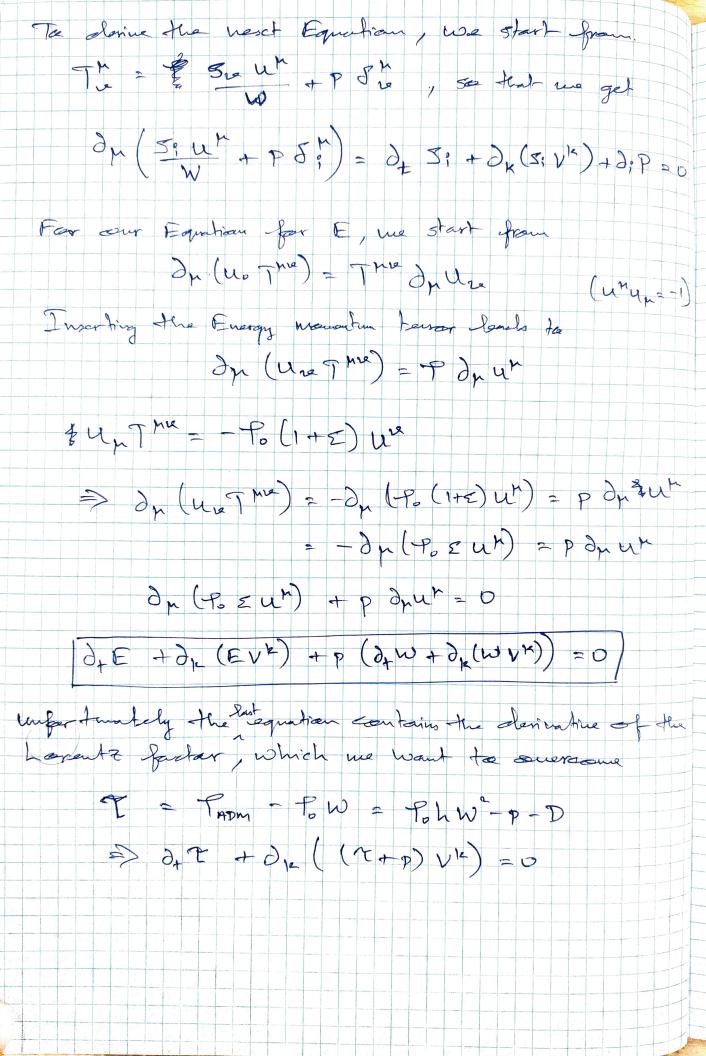
(3) Relativistic Hydraedynamics > How to suche Matter field. (31) Epecial Relationistic Hyphachyranics in our fluid => rest was downty P
slevent his carried > overgy downty
to have large > Valority Us

Durber of partiles > prosure & P > we can describe these systems typically either by moving with the Glaid (Lagrangian Frame) or in tene Lab frame (Eularian frame) In the following, we consider ideal fluids (No Unassity, heat conduction) Time = (P+Z) up un + Phyne > Minteoustri # P -> danity " We are long JRHD Rest was Enough downty Po = M, M

V particle's

Number Mass Van can alsa define Exercific outsløy h = 1+ 2 + \$ P , and mith this the energy momentum terror can be written as ? The Pohulus + Phyne Note that P# Po# TADM where you got tapm > by contrading The with the wound of the Hyper surface.





(3,2,1) Conservative to Primitive reconstruction A Ja while me are similating the conserved variables (D) Si, T) We always need to know the principlines to compute the flusces. This conversion is non-trivial and general cases has to be done numerically. A typical procedure is that you start with our juital quess ques px

