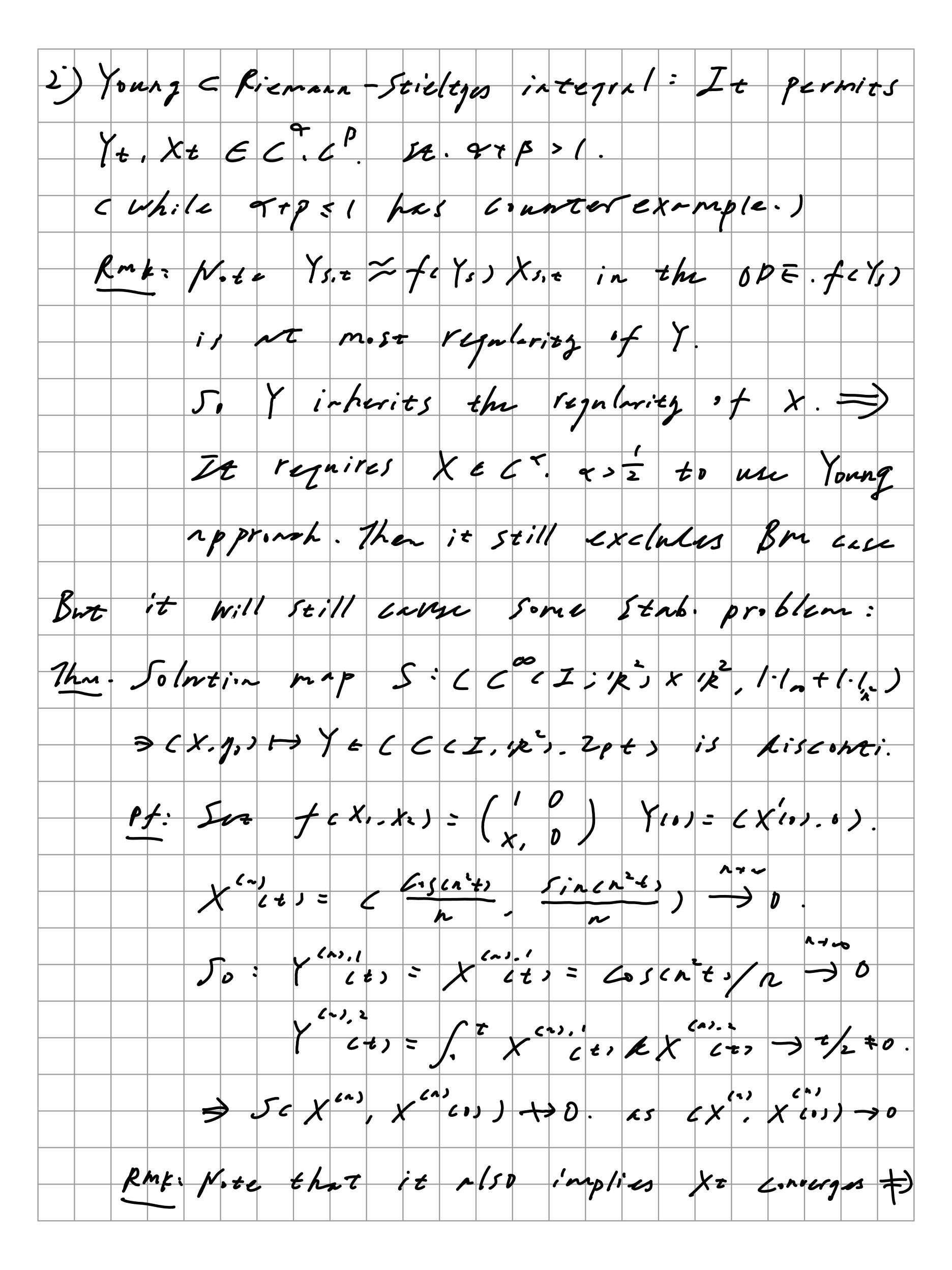
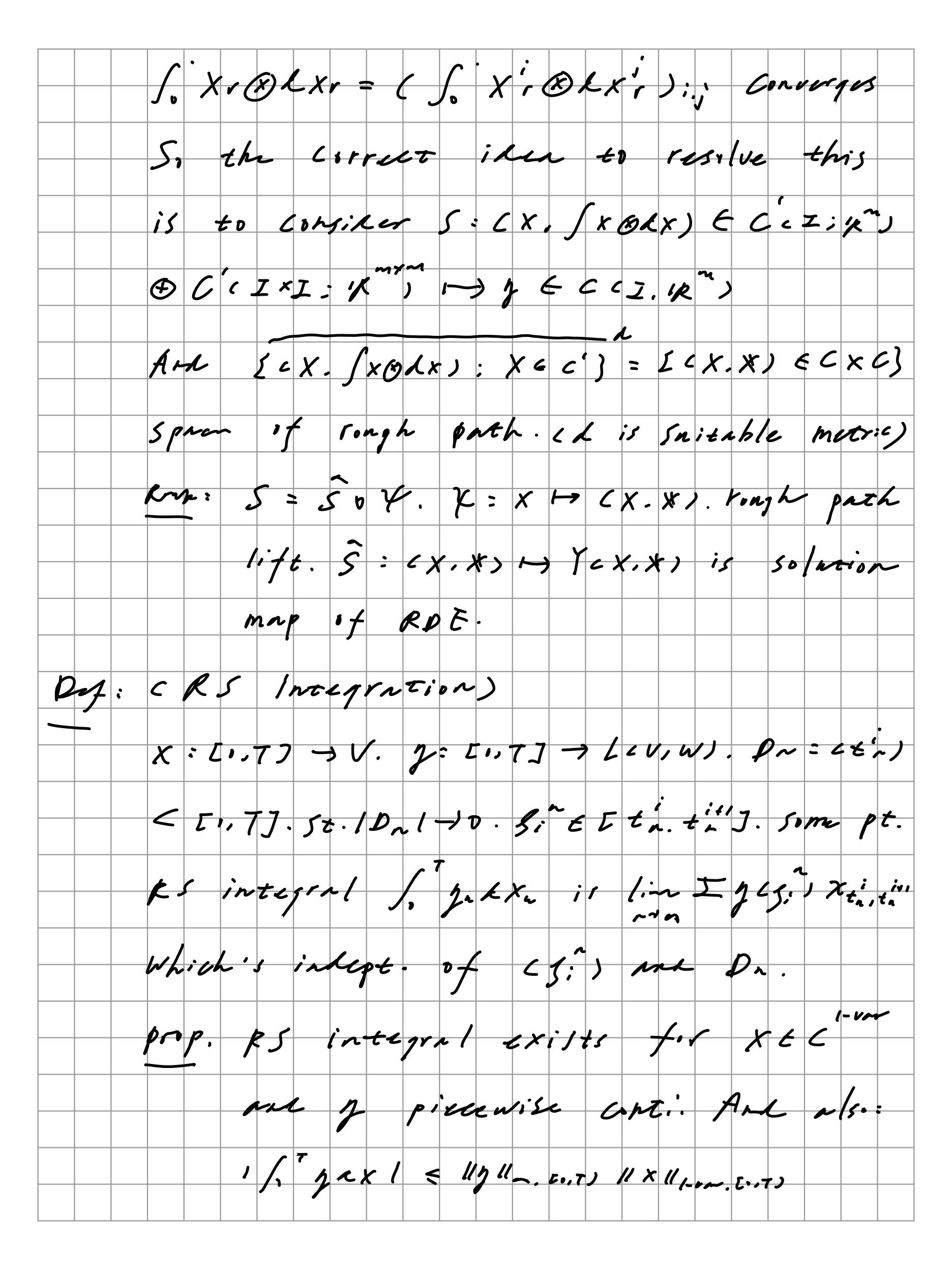
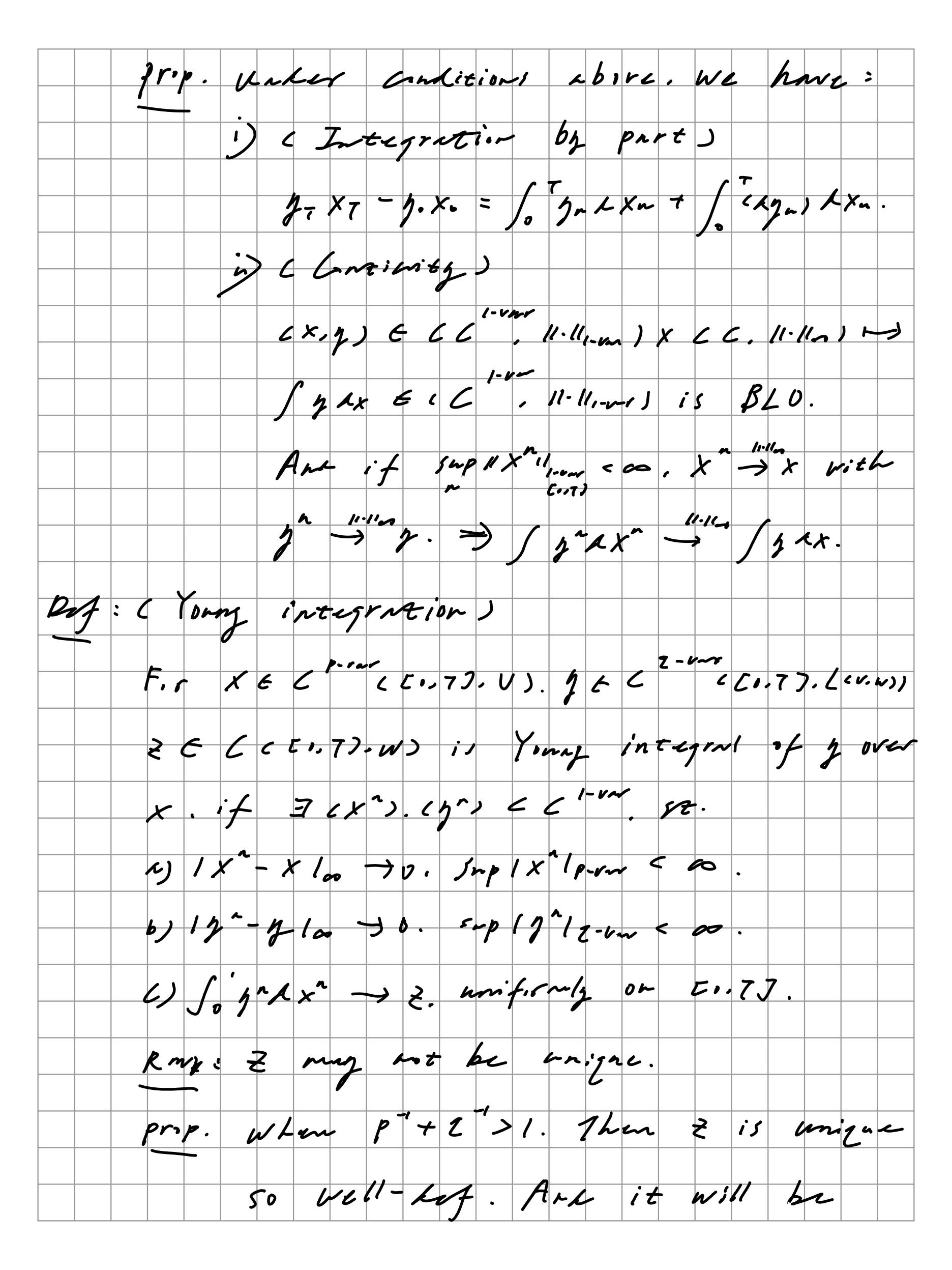
Motivation

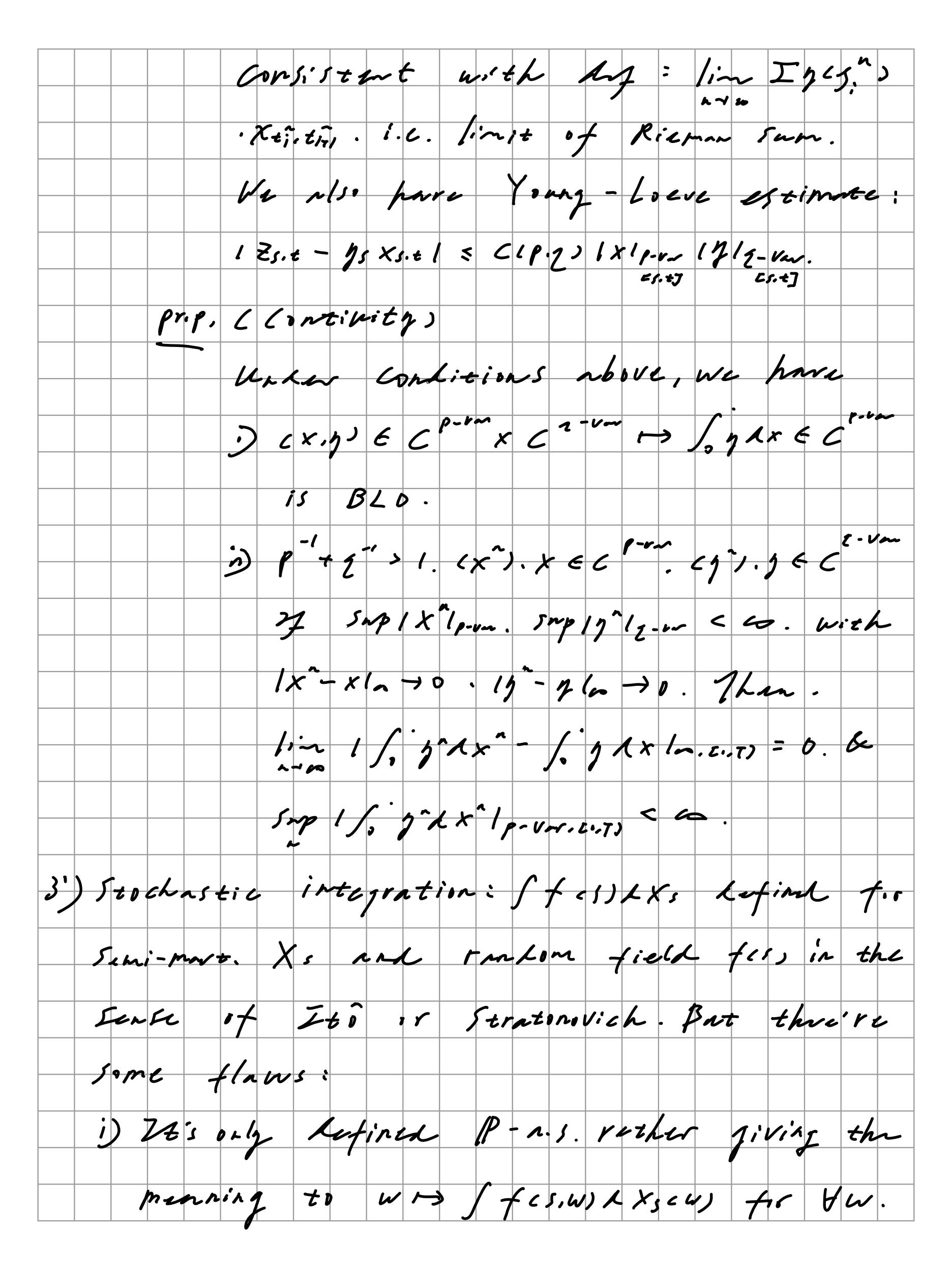
Consider ODE: Ljuts = fetigetes pet. puo) = po. we have Prend-Lindélif 7hm to Solvation theory: f is global Lip./ local Lip. & sublines growth くとfix>-fig>) cx-g) きししx-gi). ⇒ ヨルniqme Sol. me (f. 10) ecqxxx. (·lot(·l)) p(t) e (C=I). locally uniform) is bouti. Z is set of + whome. Rose Maigne fails example: fox=25gnexxxx. Next, we replace let by LXcts to study mose general: KYt = feyteskxt. Y=1. where Xt is anti: I -> 1/2". f: 1/2" -> 1/2". We want to know its Well-posedness unk Stability (i.e. S: (X, y,) H) is Couti.?) 1) Classical: Xt & C(I):R). =) it reduces to kyt = fitiget let. fitige = fitigez x.

Kmp: 2t Lousn't permit XEC4. 9<1.









is For fixed cy., for we n = cez; phy tows isn't anti. Leven not well-leg.) ij) X red to be semi-mart. Then f BMs or other sough signal process kon't work. F') Lebesgue - Stieltjes ivregrel: It's mire generally defined for tight-conti. BUS / Rekon mensure. But it has totally Lifterent way to Refine and it lacks of regularity.