

Pg 4

1/21/94
DVA

Tom,

I THINK THE SGT SHOULD CONSIDER THE FOLLOWING STARS IN CONTEXT OF THE PLANET DRIVE AND CONVENTIONAL DRIVE (SUBSPACE) PROJECTS:

• $(\textcircled{2})$: $(\textcircled{2})$, (.) IN ORANGE: $(\textcircled{2})$, (.) IN BLUE WHITE: $(\textcircled{2})$.

I TAKE THIS AS GENERAL VALIDATION OF THE FILAMENT THEORY WAS OPPOSED TO WHAT THE SGT HAS BEEN USING. THE STARS:

• $(\textcircled{2})$: $(\textcircled{2})$ ARE LESS CLEAR

I COULD OFFER A FEW ARGUMENTS BASED ON Pgs 513 AND 535 OF VOL 13; (PARAPHRASED) ON CONVOLUTION ON THE BRIT.

• THE CONVOLUTION IS AN INTEGRAL TRANSFORM OF FUNCTIONS f AND k , EACH DEFINED IN TERMS OF $(-\infty, +\infty)$. THE CENTERED ASTERISK SYMBOL RESEMBLES THAT FOR A CENTERED DOT FOR MULTIPLICATION. (Pg 513)

• USUALLY, AFTER FIXING THE KERNEL (ROAD LIMITS) OF k , A CLASS OF FUNCTIONS f IS CONSIDERED: THE EFFECT OF THE TRANSFORM INVESTIGATED IN ORDER TO DETERMINE WHICH PROPERTIES OF FUNCTIONS f ARE PRESERVED AND WHICH ARE CHANGED, AND IN WHAT WAY (Pg 513).

• USING REGULARIZATION THE CONVOLUTION OF TWO ARBITRARY DISTRIBUTIONS S, T MAY BE DEFINED, OF WHICH AT LEAST ONE HAS COMPACT SUPPORT. THE DEFINITION IS BASED ON THE REMARK THAT IF S AND T WERE ASSOCIATED WITH INTEGRABLE FUNCTIONS f AND k , THEIR CONVOLUTION COULD BE REPRESENTED BY SETTING $k^{\vee}(t) = k(-t)$. (Pg 535 PARAPHRASED).

Pg 212

4/21/94
PM

USING THESE COMMENTS, ONE COULD ARGUE:

- THE CLASS OF FUNCTIONS K COULD REPRESENT FILAMENTS WITH COMPACT SUPPORT IN A K_0 SET AND THE CLASS OF FUNCTIONS f INTEGRABLE BUT WITHOUT COMPACT SUPPORT IN THE UNIVERSE AT LARGE.
- IF K REPRESENTS THE FILAMENTS INCLUDED IN THE K_0 SET OF THE FLIGHT PATH, SOME BUT NOT ALL OF THE PROPERTIES OF THE FILAMENTS IN THE UNIVERSE AT LARGE REPRESENTED BY THE CLASS OF FUNCTIONS f CAN BE USED AS INTERMEDIATE REFERENCE POINTS TO STRAIGHTEN OUT THE FLIGHT PATHS.

THIS IS A REACH, SO YOU WILL WANT TO DISCUSS IT.

Copyright © Paul D. Koster, Work in Progress

Paul Koster

MAILING TO: TOM KILWISER

THE WOODSIDE GROVE