

Pg 1/2

1/18/94
PM

Tom,

THE SGT MIGHT CONSIDER THE FOLLOWING STIRS IN THE TRAFFIC ORGANIZATION AND PLANET DRIVE PROJECTS:

- (5-): (☞): (☞): (☞) IN DARK GREEN AT THE INNER RADIUS AND LIGHT GREEN WITH A YELLOW EDGE AT THE OUTER RADIUS.

I TAKE THIS AS GENERAL VALIDATION OF THE HYPOTHESIS AND DIAGNOSIS IN THE 1/16/94 PM MEMO. IT SEEMS THAT A SOLUTION TO THIS PROBLEM WILL ADVANCE THE TECHNIQUE TO THE NEXT LEVEL OF SOPHISTICATION. THE PROBLEM MAY BE TO LOCATE THE K&S SET IN THE UNIVERSE. A PRELIMINARY DIAGNOSIS AND HYPOTHESIS MIGHT BE:

- A K&S SET, FIXED AT BOTH ENDS, NEED NOT FOLLOW A DEFINITE PATH AT THE INTERMEDIATE POINTS. THE PROBLEM MAY BE INTERMEDIATE REFERENCE POINTS.

WE PROBABLY HAVE TO ESTABLISH A REFERENCE FOR THE K&S SET IN TERMS OF A COMPOSITE OF OTHER FILAMENTS. I WOULD BE INCLINED TO USE THE STIR (☞) FOR THIS PROBLEM AND ARGUE:

- A COMPOSITE OF FILAMENTS CAN BE FOUND THAT WHEN INCLUDED IN THE "OUTER SHEATH" WILL LOCATE THE FLIGHT PATH AND AVOID THE PROBLEM OUTLINED IN THE STIR (☞) WITH THE COMMENT THE PILOTS HAD TO FOLLOW THE CONTOURS OF THE MOUNTAIN RATHER THAN FLY OVER THEM.

THE BAIT MENTIONS SEVERAL LEADS:

- Pg 538 - THERE IS A CLOSE RELATIONSHIP BETWEEN CONVOLUTION ALGEBRA AND HEAVISIDE'S CALCULUS.

GIVEN ANY $S \in \mathcal{D}_+$, A FORMAL CONVOLUTION BETWEEN A AND S CAN BE CONSTRUCTED IN WHICH A IS THE DISTRIBUTION THAT IS COMPOSED OF A LINEAR COMBINATION OF δ FUNCTIONS (DERIVED FROM FILAMENTS).

REPHRASED, A NEW SET IS CONSTRUCTED FROM DESIREABLE FILAMENTS OF THE UNIVERSE. I THINK THIS REPHRASE MAY ALSO REQUIRE:

- A REVIEW OF HARMONIC AND FILAMENT THEORY WITH THEIR INTERACTIONS TO KEEP THE THEORY AHEAD OF THE APPLICATIONS.

IT ALSO STRIKES ME THAT THIS APPROACH MAY BE APPLICABLE IN PROPRIETARY APPLICATIONS IN AGRICULTURE AND MEDICINE. AS AN aside, IT MAY BE POSSIBLE TO DO SOMETHING FOR BOONER ESIASON'S SON, GUNNAR.

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