FG LIB SPLINE FUNCTION

- O USES PARABOLIC SPLINES (NOT COBIC)
- O EACH SEGMENT IS FORMED BY TWO PARABOLIC SEGMENTS THAT MEET AT THE SPINE POINT.
 - AT SPLINE POINT, REFERENCES MATCH
 - AS SLUNZ POLAT, FIRST DERIVATIVES MATERIA.
- O ALGORITUM MUST CALCULATE GRADIENT AT EACH POPATIE

PLATEAD

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- FOUR RULES APPLY?
- 1. IF FIRST POINT OR =0-
- 2 LE LAST POINT DR = 0
- 3. if PREVIOUS ON WEXT POINT IS THE SAME DE =0
- 4 y POINT IS LOCAL MATINA OR MINIMA OR SO T
- OTHER WISE, GRADIENT IS WEIGHTEN AVERAGE OF SEGMENT GRADIENTS

END

- - -> dT1 <-
 - g= W. g1 + (1-W). g2
- WHEN W= dT2
 - dTI+dT2
- SO SHORTER SEGNENTS HAVE MONE "WEIGHT" THAN LONGER