L (EFFECTIVE EDGE)
EXAMPLE 1500MM

55% OF EFFECTIVE EDGE
EXAMPLE 825MM

50MM
INCREMENTS

TAIL

TIP

"b"

KNOWN THICKNESS PROFILE AND LAMINATE LAYUP
AND KNOWN DEFFLECTION CURVES ALONG THE BEAM

"H"

LOAD
300 NEWTONS

TIP WIDTH

A

B

DELECTION ALONG FLEXED SKI AT 50MM INCREMENTS ALL THE WAY
ALONG THE DEFLECTION CURVES.

APPROX MAX DEFLECTION

WOULD LIKE TO KNOW WHAT THE THICKNESS PROFILE WOULD LOOK
LIKE AT EACH 50MM POINT IF THE DEFLECTION CURVE WAS THESE CURVES WITH THE SAME LOAD

IN THE "E(I)" PART OF THE BEAM EQUATION, I= B*H^3/12
B= WIDTH OF THE CROSSECTION AND H IS THE HEIGHT OF THE
CROSSECTION. E IS YOUNG'S MODULUS OF ELASTICITY FOR EACH
PART OF THE LAYUP.