

THINKING ABOUT MULTI AXIS SPINDLES

BARBARA DILL

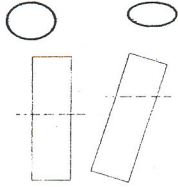
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TYPES OF RESULTS OR OUTCOMES:



CROSS SECTION OF TWO CYLINDERS
THE NEW AXES HAVE BEEN FULLY TURNED
TO CREATE A ROUND SHAPE
CIRCULAR TYPE



CROSS SECTION OF THREE CYLINDERS
THE NEW AXES HAVE BEEN PARTIALLY
TURNED CREATING A LENS OR ARC
ARC TYPE

VARIABLES:

- 1 PLACEMENT OF AXES
- 2 PROFILES OR SHAPES TURNED

VARIATIONS OF VARIABLES:

PARALLEL AXES:

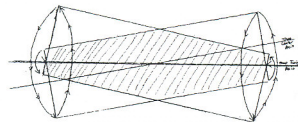


NEW AXIS CLOSER TO CENTER OF SPINDLE



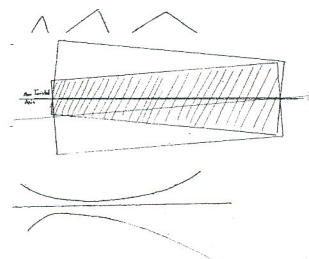
NEW AXIS CLOSER TO OUTSIDE OF SPINDLE

TWISTED AXES: TWISTED AXIS: RED=CENTER AXIS
BLUE=NEW AXIS



TWISTED AXIS, ONE END MOVED

SYMMETRY OF LINES AND CURVES:



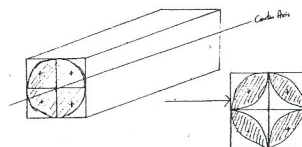
SIZE AND ORIENTATION OF THE WOOD

SUPERIMPOSING ONE IDEA ON ANOTHER

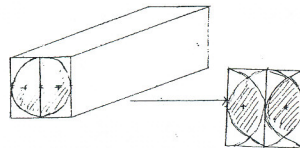
COMBINING BOTH TYPES OF OUTCOMES ON ONE SPINDLE

PUTTING WOOD TOGETHER TO MAKE SPLIT TURNINGS:

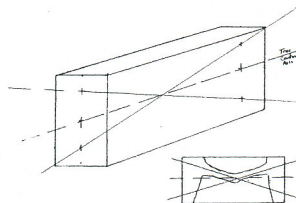
SPLIT TURNINGS USING FOUR SQUARES



SPLIT TURNINGS USING TWO RECTANGLES



MOUNTING A RECTANGULAR SPINDLE TO CREATE ANGLES



EXTENDED

HELPFUL HINTS:

TURN SPINDLE ROUND

PRESS HOLES IN WOOD BETWEEN CENTERS

NUMBER CONSISTENTLY AND CLEARLY

USE CHALK TO FIND AXIS IF CONFUSED

HIGH SPEED AND SHARP TOOLS

ABOUT TOOLS (TYPE, SHARPENING ANGLE

SAFE DRIVER VS. FOUR PRONG DRIVE CENTER

SANDING

DEPTH OF CUT

MAKE SAMPLE PIECES AND TAKE NOTES

