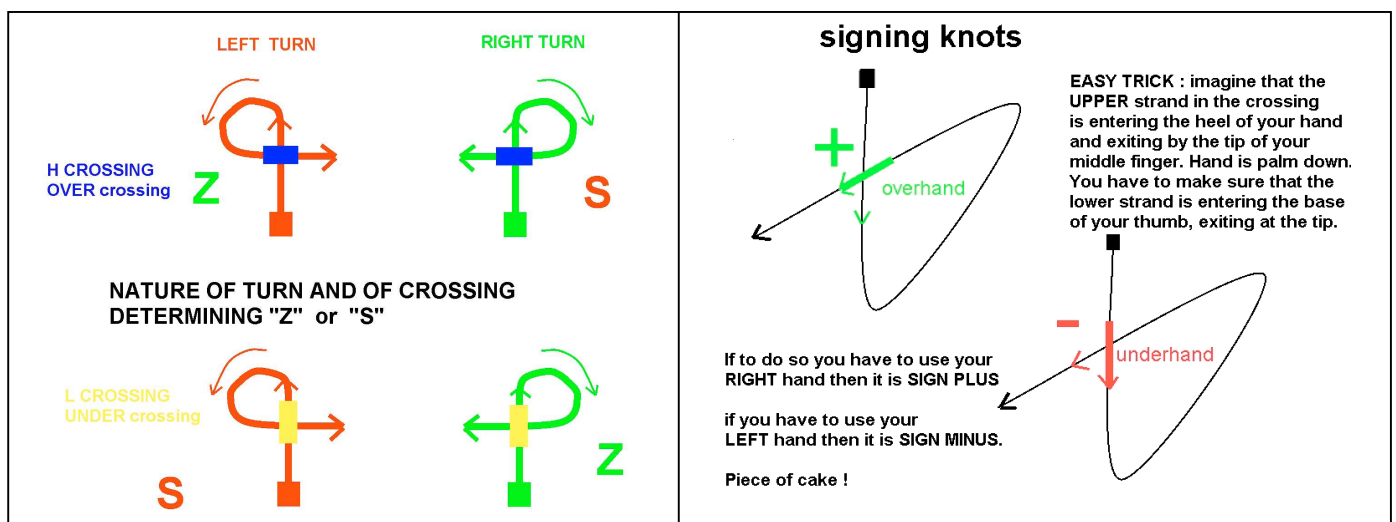
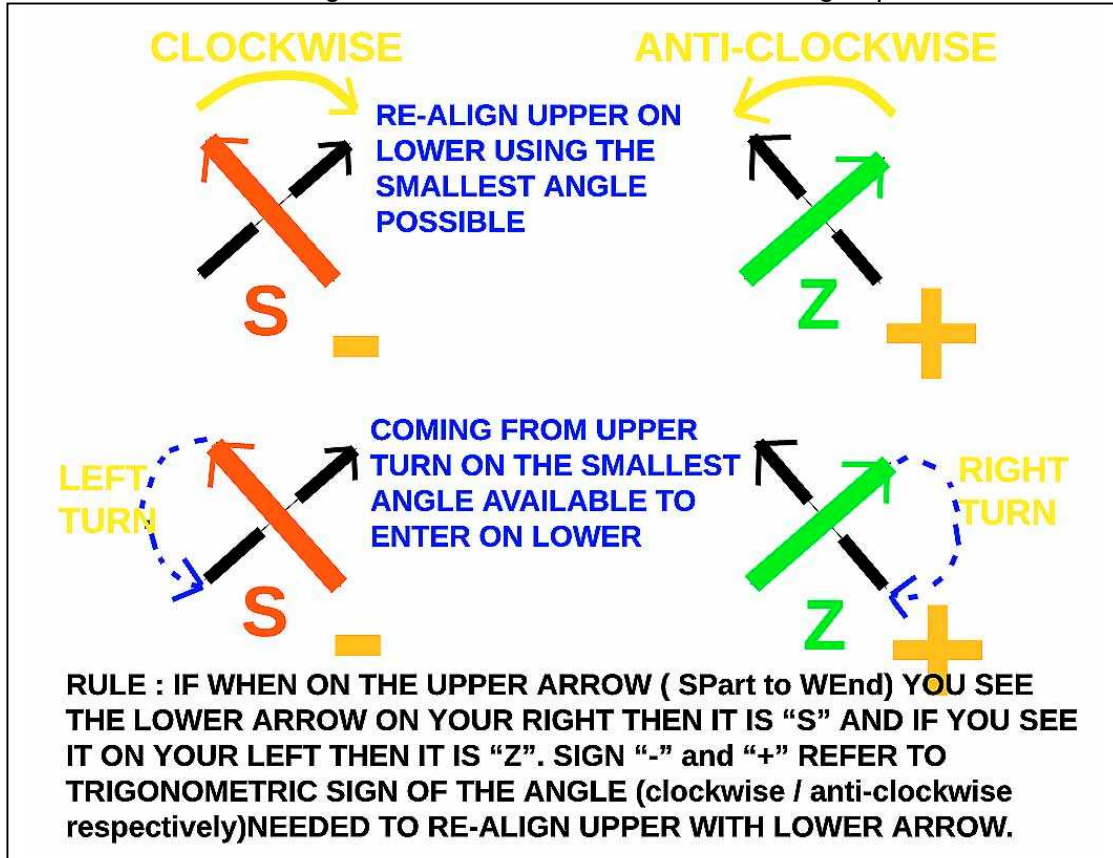


HOW TO SIGN CROSSES

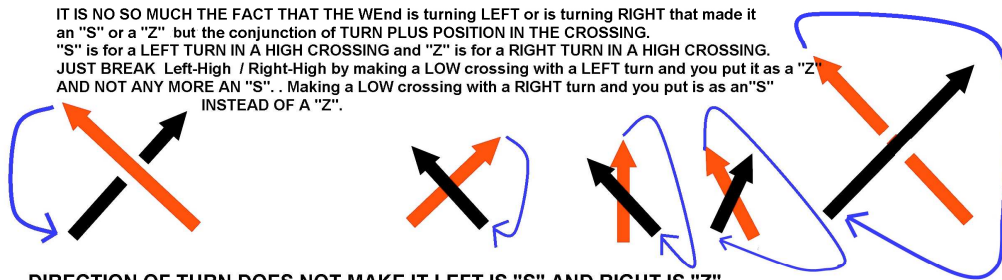
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Following are some tips about using a formal way to determine "Z" or "S" orientation of a knot or of a cordage.

This will serve as 'common ground' in other features if KN is willing to publish them.



IT IS NO SO MUCH THE FACT THAT THE WEnd is turning LEFT or is turning RIGHT that made it an "S" or a "Z" but the conjunction of TURN PLUS POSITION IN THE CROSSING.
 "S" is for a LEFT TURN IN A HIGH CROSSING and "Z" is for a RIGHT TURN IN A HIGH CROSSING.
 JUST BREAK Left-High / Right-High by making a LOW crossing with a LEFT turn and you put it as a "Z"
 AND NOT ANY MORE AN "S". Making a LOW crossing with a RIGHT turn and you put it as an "S"
 INSTEAD OF A "Z".



DIRECTION OF TURN DOES NOT MAKE IT LEFT IS "S" AND RIGHT IS "Z"
 IT IS DIRECTION OF TURN PLUS ALTITUDE OF CROSSING THAT MAKE THE DECISION !

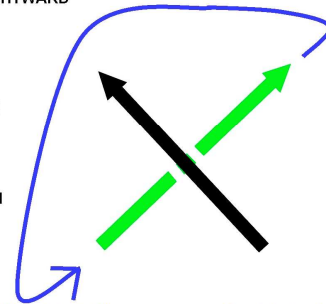
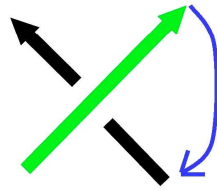
DIRECT+HIGH = "S"
 DIRECT+LOW = "Z"
 INDIRECT+HIGH = "Z"
 INDIRECT+LOW = "S"

BOTH STRANDS ARE ALWAYS SUPPOSED TO GO UPWARD. IF 'RED' LEFTWARD, IF 'GREEN' RIGHTWARD
 RED is a NATURAL LEFT TURNER
 GREEN is a NATURAL RIGHT TURNER

RED WEnd
 IF YOUR WEnd is going in a HIGH crossing and turning LEFT then SIGN IS MINUS
 IF YOUR WEnd is going on a LOW crossing and turning RIGHT CONTRARY TO ITS NATURAL LEANING then SIGN IS PLUS

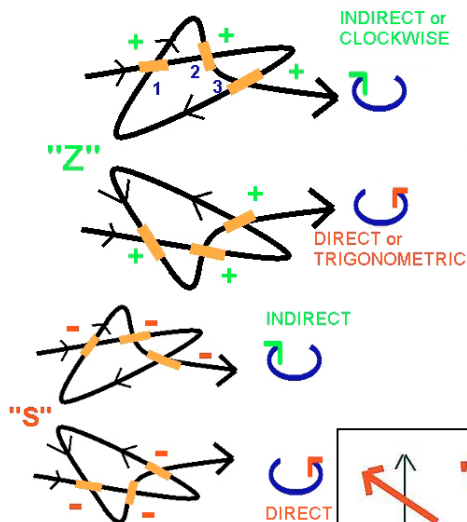
GREEN WEnd

IF YOUR WEnd is going on a HIGH crossing and turning RIGHT then SIGN IS PLUS
 If your WEnd is going on a LOW crossing and turning LEFT CONTRARY TO ITS NATURAL LEANING then sign is MINUS.



DIRECT OR TRIGONOMETRIC IS FORMAL WAY FOR "LEFT"

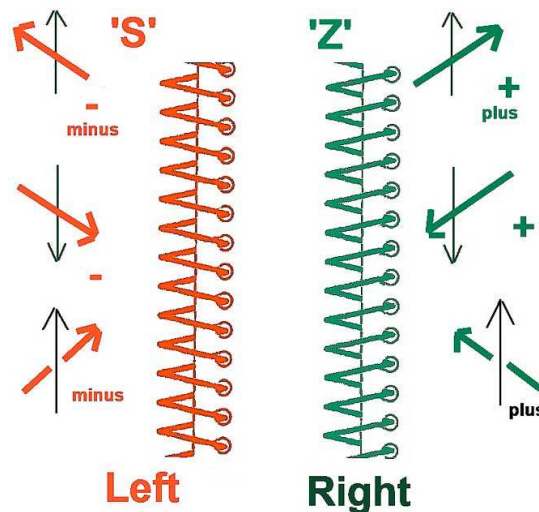
INDIRECT IS FOR "RIGHT" OR CLOCKWISE. This will help distance the mind from the "left="S" and right="Z" erroneous way of envisioning the point



IT IS NOT THE WAY THE "turning" IS MADE THAT WILL SHOW YOU THE LATERALIZATION : just see A1 and A2 or B1 & B2
 SIGNS ARE OPPOSITE THOUGH "turning" IS MAINTAINED.

ONLY THE NATURE OF THE CROSSINGS WILL GIVE A REPRODUCIBLE ANSWER.

REPRODUCIVENESS IS OF PARAMOUNT IMPORTANCE.



LAY or HELICES you use the same tool to get the orientation : sign of crossing between central axis and followed curve.

NO NEED for (anti) clockwise (with/against) the sun (counter) corkscrew (left/right) handedness

and any confusing way to get the orientation.

SIMPLEST WAY IS 'Z' / 'S' and SIGN of CROSSING