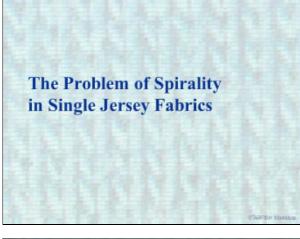
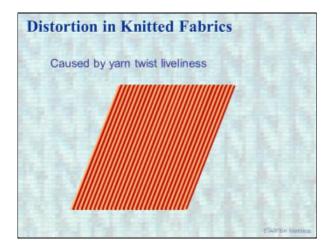
## STARFISH Workshop



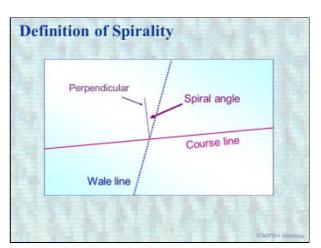
# Sources of Spirality \* Knitting Machine > feeder density > direction of rotation \* Yam Characteristics > twist liveliness

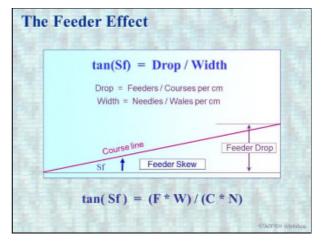
Fabric Construction
tightness factor

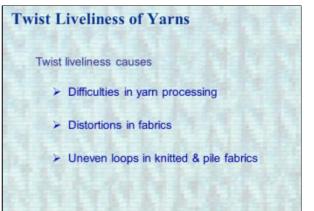
Feeder Skew: Examples						
No. of Feeders =			30	60	90	120
Ne	99	diam	Skew Angle			
30	28	30	0.5	1.0	1.4	1.9
20	20	30	0.7	1.3	2.0	2.6
20	20	24	0,8	1.7	2.5	3.3

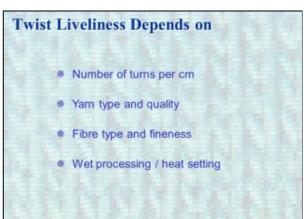


# The Problem of Spirality in Single Jersey Fabrics

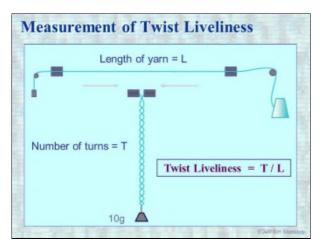


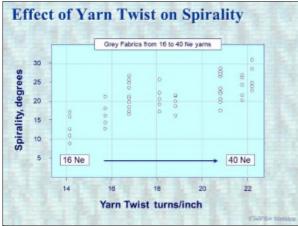




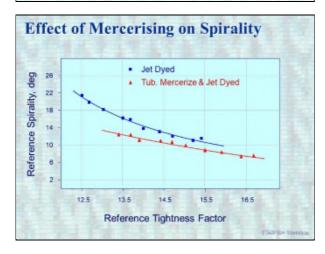


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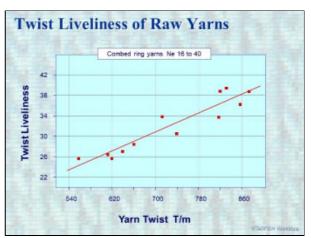




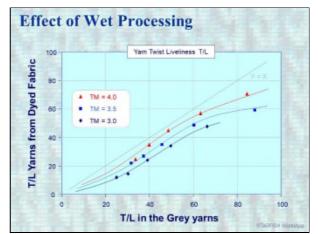
# Elimination of Spirality Use balanced twofold yarns Use alternate S & Z yarns Use combined S & Z yarns Different fabric appearance and dimensions Not usually a practical solution

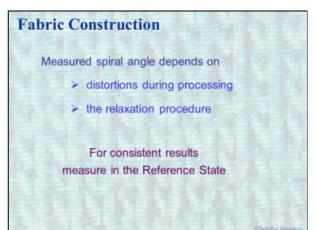


# The Problem of Spirality in Single Jersey Fabrics



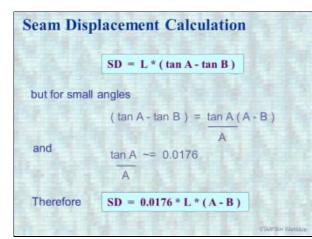


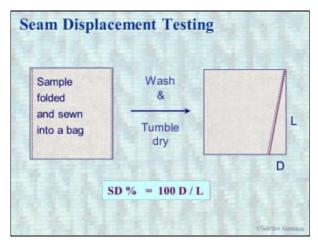




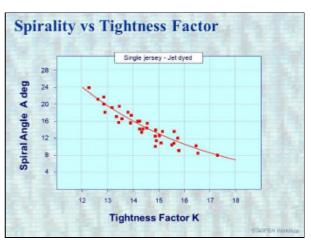


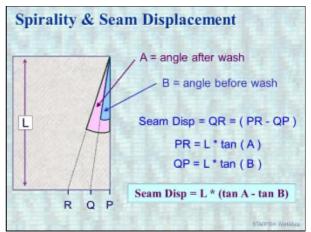


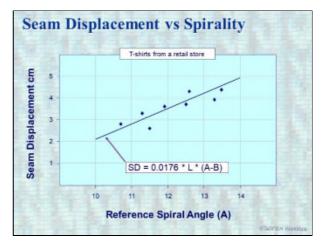


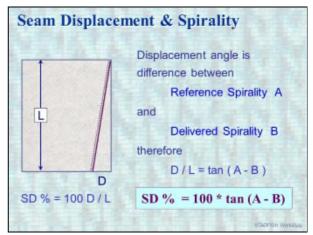


# The Problem of Spirality in Single Jersey Fabrics



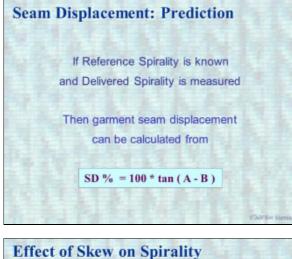


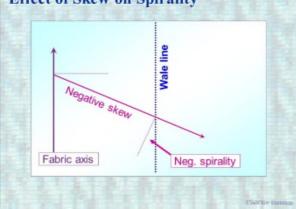




### STARFISH Workshop

### The Problem of Spirality in Single Jersey Fabrics







Spirality and Shrinkage Courses and length shrinkage are measured along the wales Wales and width shrinkage are measured perpendicular to wales These may not correspond exactly with the length and width of a garment Maximum error is about 3 percentage points

