	Proposed	Ambiguities	Implementation
Pre-processing	Trim non-breech face impression regions.	Trimming performed manually, processed data unavailable.	RANSAC + Hough Transform + crop exterior NA rows/columns isolates BF impression region.*
	Remove dropouts & outliers.	Outliers not defined, "removal" of dropouts is unclear.	Outliers/dropouts not removed.
	Apply band-pass Gaussian regression filter.	Unclear how wavelength cut-offs and implicit parameters are chosen.	Gaussian low, high, & band-pass filters with user-set cut-offs.*
Comparison	Rotate one surface matrix by some angle, θ.	Algorithm used to rotate surface matrices not specified.	Surface matrices rotated via nearest-neighbor interpolation.*
	Pair disjoint cells in non-rotated surface matrix with non-disjoint regions in rotated matrix.	Surface matrices somehow resized to all be of nominal dimension (e.g., 560x560).	Surface matrices are not automatically padded/cropped to nominal dimension.
	Calculate CCF for each cell/region pair.	Unclear how cell/region size ratio is determined.	User can set cell/region size ratio.*
	Identify translation values at which CCF_{max} occurs for each cell/region pair and θ value.	CCF calculation from definition or based on cross-correlation theorem?	CC theorem determines translation alignment values, pairwise-complete correlation calculated after alignment.
Top Vote	Calculate consensus-based translation/rotation reference values across all cell/region pairs.	Why median for both translation & rotation reference values? Mean or mode feasible alternatives?	Reference value function can be set separately for translation & rotation values. Default is median, but the modal rotation value has shown promise.*
	Filter translation & rotation values by where the CCF_{max} value occurs for each cell/region pair.		
	Count cell/region pairs with estimated translation/rotation alignment values within tolerances, $\{T_{dx}, T_{dy}, T_\theta\}$, of reference values and $CCF_{max} \geq T_{CCF}$.	How are optimal $\{T_{dx}, T_{dy}, T_\theta, T_{CCF}\}$ determined other than experimentation?	Thresholds currently decided by experimentation.*
High CMC	Perform comparison procedure in both directions.		
	Build CMC-θ distributions by counting congruent cell/region pairs for each θ value.		
	Determine if CMC-θ distributions attain a mode using High CMC criterion.	What if CMC-θ mode is wider than one θ value (i.e., consecutive θ values tie for the maximum CMC count)?	Median of consecutive tied θ values used as modal θ value.
	If CMC-θ mode is identified, then count CMCs in and around mode - else, defer to Top Vote method CMCs.	What if a CMC-θ mode is only identified in one direction?	Different user-specified options exist to handle cases in which a CMC-θ is identified in one direction.*