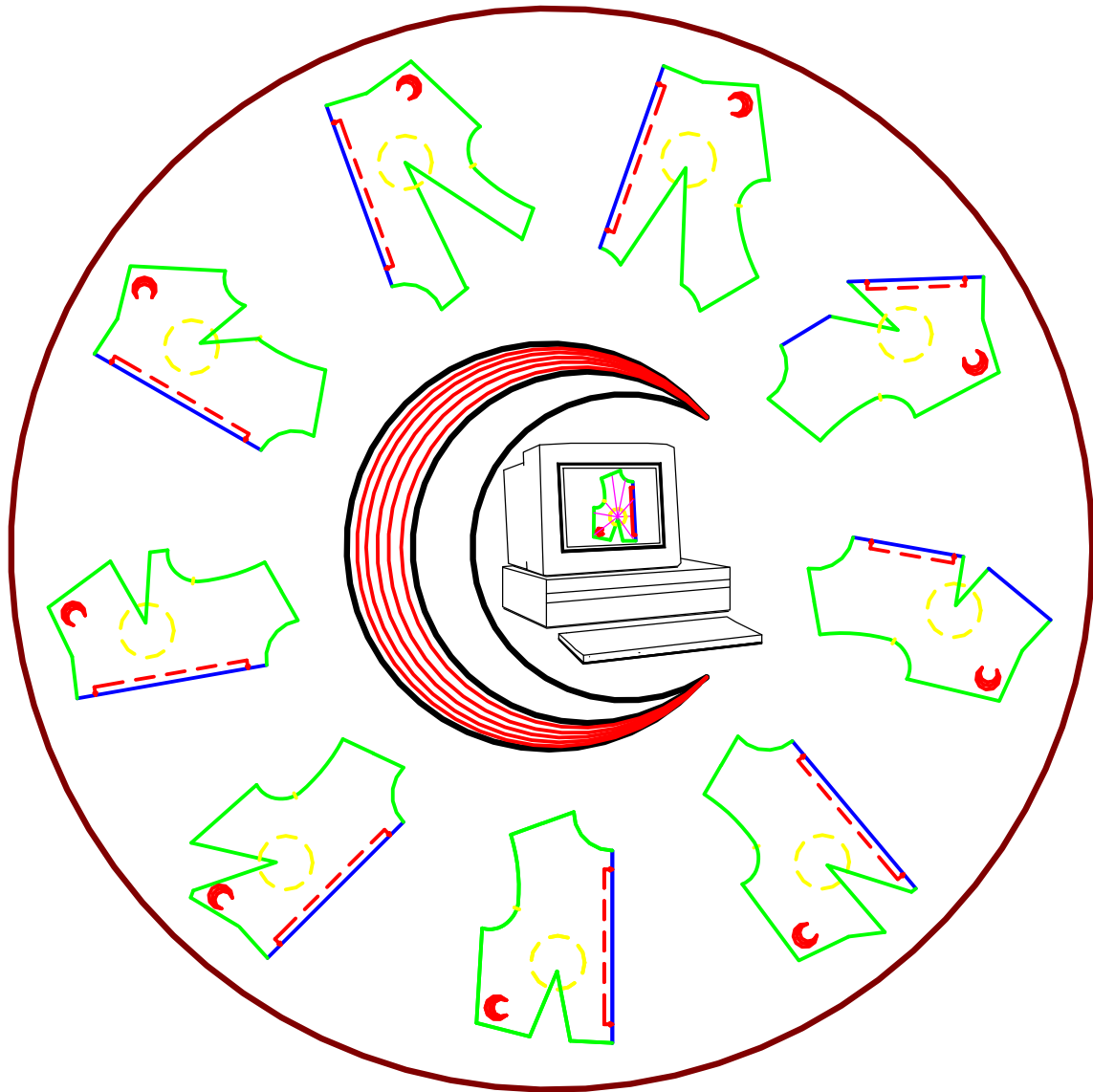


# *CADTERNS*<sup>®</sup> Glossary of Terms

**Personal Patternmaking Program and Documentation**



As used at the  
*CADTERNS Cyber School of On-line Learning*



***CADTERNS®***

**Glossary Terms**

**Personal Patternmaking Program and Documentation**

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# *CADTERNS*® Glossary of Terms

## Personal Patternmaking Program and Documentation

Ready-to-Style Sloper	To be ready to style, a sloper must fit according to your personal preferences for comfort and appearance. It should have patternmaking references clearly marked. <i>CADTERNS</i> slopers have unique Ready-to-Style markings that appear automatically. When using slopers from a different source, you can add these references manually to your slopers.
1 <sup>st</sup> 4	The 1 <sup>st</sup> 4 refers to a sloper that <i>CADTERNS</i> calculates using only the four measurements that you enter in the Sloper Definition folder: height, bust, waist and hip. With these 4 measurements, <i>CADTERNS</i> calculates a range of measurements and ease values that you can preview (and change if you wish) in the Measurements folder.
Algorithm	A procedure for solving a mathematical problem (as of finding the greatest common divisor) in a finite number of steps that frequently involves repetition of an operation
Apex	The highest point of a curve such as one on the figure which occurs at a dart point.
Armscye	Section of a pattern into which the sleeve is fitted.
Balance	Stability produced by the visual “weight” distribution of contrasting or interacting elements of a garment or an outfit.
Bias	A diagonal line across the grain of fabric. When used to substitute crosswise or lengthwise grain in pattern placement, a bias cut will cling to the figure following body curves closely.
Blocks	Patternmaking blocks refer to the individual pieces that together create a full sloper. For example, a bodice sloper consists of bodice front, bodice back and sleeve blocks. Patternmaking blocks do not include facings, hems, linings or other finishing details.
Bulge	A convex curve on a figure created from either bone or flesh and requiring at least one dart or dart equivalent to provide shaping of fabric in order to fit the figure.
CAD program	Computer-Aided Drafting program enabling the user to use an enormous number of tools to draw very precise working copies of things sometimes too small to see or to large to fit the drawing surface. It enables the user to work in a scale that is comfortable while using real-world measurements.

CADtern	Any apparel pattern produced at a computer using a CAD system to draw a personal pattern based upon specific measurements can be called a CADtern.
<i>CADTERNs</i>	The name of a specific Canadian company established for the purpose of enabling anyone to draw personal slopers based upon personal measurements for the purpose of fitting traditional garment patterns or styling new ones.
Couture	The business of designing, making, and selling fashionable custom-made Womenswear
Couturier or Couturière	A French male or female dress designer such as Yves Saint Laurent or Gabrielle Chanel who is in the business of designing, making, and selling fashionable custom-made Womenswear
Couture	The business of designing, making, and selling fashionable custom-made Womenswear
Croquis	A flat, 2-D sketch of a fashion model or models used to illustrate a garment or a collection of garments.
Custom	In the context of patternmaking with the <i>CADTERNs</i> Fit First system of patternmaking, the words Custom and Personal are interchangeable.
Custom clothier	A garment maker or couture house that specialises in dressing individual people by fitting on a personal dressform or by a series of personal fittings.
Custom clothing	Apparel styled by changing shapes of individual personal slopers or blocks.
Custom Grading	Superimposing the style from one styled personal pattern onto the same sloper of origin personally drafted to fit a different figure and set of measurements; as if style is extracted from one styled sloper and applied to another - <i>unstyled</i> sloper.
Custom-made	Made according to personal order and individual specifications, the opposite of mass-produced
Cut	Closeness to the figure as determined by the amount of ease allotted.
Dart	Darts are the distinctively triangular elements of a pattern that once sewn, enable a flat piece of fabric to take the shape of a curved figure.
Decorative Finish	Finishing details of embellishment that add points of interest but are not required for functional purposes. Decorative finishes include details such as scalloped edges, lace and crocheted inserts. Decorative finishing can be applied to functional finishing details and has potential as a <i>Signature</i> element of design or style.

Default Ease	The amount of ease automatically calculated by a patternmaking program based upon special formulae applied to measurements used.
Default Measurements	Measurements that are automatically calculated based upon the input of fewer measurements entered.
Design	The creative art of combining and arranging elements including line, colour and texture according to principles of form and function, balance and proportion, harmony and contrast in order to achieve aesthetically pleasing and functional results.
Designer	A professional artisan who combines elements of design following principles of design to create a personal interpretation of a style.
Digital Patternmaking	Making patterns at you fingertips using a computer.
Disguise	A change in appearance that misleads by presenting a different apparent identity as with disguising darts as gathers.
Drafting	Precision drawing using special drawing tools to represent an exact shape, or a precise scale of that shape.
Draping	<p>Draping is a method of patternmaking that is related to the drape of fabric rather than the shape of a pattern. Draped fashions are usually intended for a specific individual but can be disassembled to get a styled pattern.</p> <p>As with window draping, successful pattern draping requires strict attention to and effective balance of grainlines.</p>
Dressform	A dressform is the shape of a figure and provides an excellent tool for use in developing and testing garment patterns. A personal dressform is created for a specific individual and enables a dressmaker to create personal garments that fit with few or no alterations.
Dressmaker	Person who makes clothes from cutting the fabric to finishing the garment by hand or by machine for private customers
Ease	A patternmaking factor used to allow extra fabric so that a garment will not be skin-tight.
Ease Allotment	Specific amount of ease added at a particular location on the pattern.
Elements of Design	Basic characteristics that can be distinguished by the senses such as sight or touch, including but not limited to colour, texture and line.
Embellishment	Decoration to enhance appearance, to beautify.
Entrepreneurial Designers	Fashion artists who sew on domestic sewing machines from their homes. Those who sew for others on a personal or contractual basis in exchange for money,

		goods or services.
Facing		An extra pattern piece that is shaped and cut to stabilize an outer curved edge. Sometimes the fabric can be folded instead of cut to create a facing, such as for some button and buttonhole closures.
Fad		A style of unusually short life characterised by a sudden surge of popularity followed by an abrupt decline.
Fashion		Style of dressing that prevails among any group of persons, last for a year or two or for many years. Any fashion could at one time last fifty to one hundred years but change rapidly since the 20 <sup>th</sup> century.
Fashion Prosumer		One who participates in some or all of apparel design and production as well as consumption of the final product.
Finish		Details required completing a step or a pattern before proceeding or considering done. Finishing details may be functional or decorative.
Folders		<b>CADTERNS</b> displays the three main steps for creating personal slopers in three virtual file folders. The folders are labelled Sloper Definition, Measurements and Sloper Preview.
Functional Finish		Finishing stages without which a step or a pattern is incomplete. Functional finishes include facings, hems and closures such as zippers or buttons and buttonholes.
Generation 1 Sloper (First-Generation)		<b>CADTERNS First-Generation</b> <sup>TM</sup> slopers consist of the original shapes calculated by applying patternmaking formulae to personal measurements. Womenswear Generation 1 slopers include Bodice, Skirt and Pant.
Generation 2 Sloper (Second-Generation)		<b>CADTERNS Second-Generation</b> <sup>TM</sup> slopers of Blouse and Sheath are extensions of Bodice and Skirt slopers of Generation 1.
Generation 3 Sloper (Third-Generation)		Individual fashion artists develop Third-Generation Slopers. These slopers are personal <i>Signature</i> adaptations of First and Second-Generation Slopers with modifications in cut that can be repeated on other people's slopers
Geometry	Analytic	Analytic AKA co-ordinate geometry is the study of geometric properties of shapes defined in terms of a coordinate system.
	Differential	Differential Geometry represents a branch of mathematics used to study the geometric properties of curves and surfaces
Grain		Direction of threads in a woven fabric. Lengthwise, long warp threads should meet shorter weft threads at right angles (90°).
Haute couture		(French term for High Fashion) Sample collections from

	top French designers that are reproduced individually on a custom-made basis using personal dressforms or multiple fittings and exhibiting elaborate workmanship.
Hem	This typically occurs at the bottom edge of a garment where fabric is folded up to reinforce the garment and enhance its appearance.
High fashion	(American term for Haute Couture) Very new, highly publicised styles and designs of limited appeal due to factors such as high cost, sophistication, and extreme contrast with previous fashion.
Hinge	A flexible paper joint around which a dart turns when it is in some way rearranged by rotating, combining or dividing it (them).
Knock-off	Apparel industry slang for copying a more expensive design in less expensive fabrics and finishes, often for mass production.
Manual Patternmaking	Making patterns at a suitably large workspace using large sheets or rolls of paper and traditional hand drafting tools including but not limited to pencils, erasers, rulers and curves.
Measurements Folder	The Measurements folder is where <i>CADTERNS</i> lists measurements and ease allotments based on inputs and selections from the Sloper Definition folder. Any or all of these measurements can be changed if appropriate to satisfy personal needs and preferences.
Muslin	<p>Muslin is a plain weave, unbleached cotton available in a variety of weights and often used to refine the fit of a sloper or a styled garment.</p> <p>A garment created to test the fit of a sloper pattern is often referred to as a muslin.</p> <p>A muslin garment may be ripped apart to record changes made by pinch-fitting; alternatively, as changes are made to the muslin, corresponding changes can be applied directly to the sloper pattern.</p>
Notch	<p>Notches are marks used to identify corresponding points along pattern cutting lines to identify where pattern pieces are to be joined together. This is particularly useful when joining convex and concave curves such as sleeves and armholes or a straight piece and a curved piece, such as a waistband and a skirt.</p> <p>Notches may also occur at other definable points such as centre front and placement of gathers that are distributed unevenly.</p> <p>Traditional tissue patterns draw notches as triangular markings along seamlines, but the shape is not important. Even a little snip into seam allowances is sufficient to line up pattern pieces.</p> <p>Single notches identify front, double notches identify</p>

	back and triple notches, when they occur are other definable locations for positioning pieces.
Panache	Personal sense of style that flows from the spirit and is expressed in artistic composition such as a floral arrangement, a garment or a wardrobe.
Pattern	A pattern is to a garment what a blueprint is to a house. Without a blueprint showing where to put doors and walls, the builder might find it difficult to know where to start or what to do next. Without a pattern, many would have a difficult time figuring out how to cut and sew a garment.
Pattern drafting	<p>Pattern drafting is a disciplined way to draw the outline of sewing patterns based upon the application of mathematical formulae to specific measurements.</p> <p>Basic slopers and styled patterns can be drafted using manual or digital drafting tools and techniques.</p> <p>Mass production is based upon patterns drafted for a standard and average figure as defined by the producer and varies from one manufacturer to another.</p>
Patternmaker	Fashion artist who draws flat patterns to replicate a fashion illustration or the disassembled pieces of a draped garment.
Pinch-fitting	A way to align grainlines of fabric to make crosswise and lengthwise threads parallel and perpendicular to wall and floor. To do this: pinch fabric between thumb and forefinger or by releasing seamlines. Most apparel artists do this instinctively to relieve unsightly strain lines or to absorb excesses of fabric. This is often referred to as <u>tweaking</u> .
Pizzazz	A quality of uniqueness and daring, marked by originality and showing spirit and enthusiasm. A designer showing her latest collection and the garments from that collection might be described as having lots of pizzazz or as lacking in pizzazz.
Principles of Design	Conditions or qualities of artistic expression including but not limited to harmony and contrast, form and function or balance and proportion.
Recreational Fashion Designer	<p>Recreational fashion designers are fashion artists who routinely combine the elements of fashion design with principles of design with each sewing project.</p> <p>Most recreational fashion artists tend to reserve “designer” credit for high profile commercial fashion icons with little acknowledgement of personal design input and panache.</p> <p>The person who chooses the pattern, the colour and texture of the fabric and the finishing details is the designer of the project.</p>
Rotate	Move about an axis or a centre as a dart rotates around



	its dart point.
Seam allowance	The part of a pattern between the cutting line and the stitching line is the seam allowance, allowing for a specific amount of extra fabric that usually appears on the wrong side of the garment.
Seam line	Seam lines appear on patterns most often as black, broken or long dash lines. They mark the places to stitch and could also be called stitching lines.
Sheath	Straight, narrow fitted dress without waistline, shaped to the body with vertical darts - usually collarless, often sleeveless.
<i>Signature</i> details	Elements or principles of design including fit, style and finish that are used repeatedly and with particular panache associated with a particular designer.
Silhouette	Profile of an ensemble seen in flat two-dimensional perspective, as it would appear in a shadow behind a lighted screen. A few common examples include A-line, bustle, hourglass, maxi, midi, and mini...
Sloper	<p>Basic apparel pattern without style lines or seam allowances. Used at the beginning or repeatedly throughout the evolution of a style.</p> <p>Slopers may be developed from dressforms, live models, specific measurements, or other manufacturer specifications. Slopers can be used to develop patterns and create new styles. Also called <i>standard pattern</i>, <i>foundation pattern</i>, <i>block pattern</i>, and <i>master pattern</i>.</p> <p><i>CADTERNs</i> patternmaking slopers can be transformed into patterns by adding functional finishing details such as seam allowances, facings and hems. To set seam allowances and hems, go to the Tools menu, select Options and enter your preferences.</p>
Sloper Definition Folder	The first of two <i>CADTERNs</i> input folders on which the apparel type, sloper type, ease description and units are selected and the user's name and basic measurements are entered.
Sloper Preview Folder	The third and final <i>CADTERNs</i> folder, displaying the pattern pieces drafted from inputs and calculations of the Definition and Measurements folders.
Strategic	Having a precise purpose or plan, a meaningful approach.
Style	A garment or group of garments with specific characteristics that distinguish it from others of the same type. Examples of pant styles include jeans, trousers and jodhpurs.
Stylist	Fashion artist who determines the silhouette to which designers apply principles and elements of design with

	their own distinctive flair or panache. Some independent, high profile fashion designers may also be trend-setting Stylists for their own designs.
Technique	Method or procedure used to accomplish a desired aim or specific task.
Template	Something that serves as a pattern or mould for recreating it or something similar to it.
Tiling	The process of arranging pages horizontally and vertically into rows and columns in order to print a pattern on paper that is smaller than the pattern being printed.
Toile	A French word for cloth or a muslin pattern.
Tweaking	The action of making small adjustments by pinching or lifting in order to fine-tune a sloper or a garment by truing-up grainlines to be parallel to each other and perpendicular to floor and wall. Sometimes this is called <u>pinch-fitting</u> .

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