

Automatically Dimension Flat Patterns

CHAT-0072 / REV EXPORT-03 / 2023.09.20

A conversation-specific public summary of automatically dimension flat patterns, distilled from the supplied export. The detailed excerpts remain available in the released note file.

STATUS	RECOVERED / SPECIFIC NOTE
CLASSIFICATION	SYS
MATERIAL	CHAT EXPORT / BUILD & TOOLS
DISPOSITION	PUBLIC CONVERSATION EXCERPTS / REDACTED
CATEGORY	Build & Tools
RECORD TYPE	build-thread

TECHNICAL NOTES

Conversation-specific knowledge extracted from the automatically dimension flat patterns discussion.

CONVERSATION / QUESTION AND CONTEXT

Create an illogic code to automatically dimension a flat pattern in inventor 2023

CONVERSATION / EXTRACTED GUIDANCE

1. It first checks if the active document is a part document and if it has a flat pattern.
2. If it's a sheet metal part with a flat pattern, it activates the 2D sketch of the flat pattern.
3. It then adds dimensions to the sketch using the `DimensionConstraints.AddTwoPointDistance` method. You will need to replace the code within this section with your specific dimensioning logic.
4. Finally, it updates the sketch to apply the dimensions.
5. It checks if the active document is a drawing document.
6. It iterates through each sheet in the drawing and each view on the sheet.
7. It activates each view, allowing you to add dimensions to it.
8. You can use the `oSheet.DrawingDimensions.AddLinear` method (or other relevant methods) to add dimensions to the view. In this example, a linear dimension is added from (0, 0) to (10, 0). Replace this with your specific dimensioning logic.

SPECIFICATION

SOURCE	Supplied ChatGPT export
CATEGORY	Build & Tools
CONVERSATION	2 user turns / 2 assistant turns
ATTACHMENTS	None detected
PUBLIC DETAIL	Extracted knowledge + excerpts

DEVELOPMENT HISTORY

2023.09.20 / EXPORT-04

Matched to the supplied export; key guidance is surfaced separately and the raw transcript remains unpublished.

RELEASED MATERIAL / SOURCE LINKS

CHAT-0072-public-note.txt

PUBLIC-SAFE CONVERSATION NOTE / UNIQUE FILE

<https://u225x.com/downloads/chat-records/CHAT-0072-public-note.txt>

RETURN TO THE LIVING RECORD

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This PDF preserves the public notes at this revision. Visit the record for updates and attached images.

<https://u225x.com/record/CHAT-0072>
