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CUST 240 - Embedded Rule-Based Simplified Representations in Start Parts/Assemblies

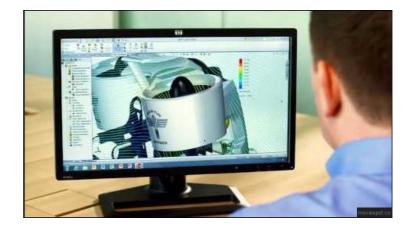
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Embedded Rule-based Simplified Representations

Intended audience

- End Users
- CAD Administrators





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Who has used or seen rule-based simplified representation before?



Embedded Rule-based Simplified Representations

Takeaways from today

- 1. What are rule-based simplified reps.?
- 2. Why embed them into start parts or assemblies?
- 3. When is using them is important?



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Embedded Rule-based Simplified Representations

What are rule-based simplified reps?

- Pre-defined selection criteria to streamline model simplification.
- Can be customized for your applications.
- Integrate them into start parts and assemblies.

| Rule | Editor:1 | × | | | |
|--|---|---------|---|--------------|----------------------|
| Look for: Solid Model | Look in: W3075706.ASM | • | | ACCE | MBLY-REP X |
| Look by: Solid Model 💌 | Note sul | omodels | | Rule Actions | er overrides higher. |
| Attributes History Sta | tus Geometry | | 1 | Rep Action | Condition |
| Rule Name Type Expression Size Description Property | Criteria Comparison: is equal to Value: * | v | | | Hardware |
| Preview Result | New Rule Optio | ns 🔻 | | _ | |
| ОК | | Cancel | | | |

Why Use Ruled-Based vs. On-the-fly Reps

Ease of use...

| On-the-fly Rep | Rule Based Rep |
|--|--|
| Select parts to exclude | Predefined rule(s) apply upon rep activation |
| User inconsistency | User consistent |
| No exclusion for new components/features | Automatic for new components/features |

| | View Manager | | | | | | | | 2 | |
|----|---------------|----------|----------|--------|-----|------|---------|-----|-------|--|
| | Simp Rep | Style | Sections | Layers | Exp | lode | Orient | All | | |
| | New | | | Edit | ٠ | ۲ | Options | ٣ | | |
| | Names | | | | | | | | | |
| | Assembly- | Rep | | | | | | | | |
| | Assembly-Rep2 | | | | | | | | | |
| | Drawing-R | ер | | | | | | | | |
| | Mt_Rep | | | | | | | | | |
| ec | Default Rep | > | | | | | | | | |
| | + Master | Rep | | | | | | | | |
| | Light Grap | nice Rep | | | | | | | | |
| | Default Env | elope Ri | =p | | | | | | | |
| | Symbolic R | ep | | | | | | | | |
| | Geometry I | Rep | | | | | | | | |
| | Graphics R | lep | | | | | | | | |
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| | Properti | ** ** | | | | | | | Close | |

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When is it important to use Rule-Based Representations

Examples based on my personal experience:

- · Parts/Assemblies that take long to regenerate
- · Lots of hardware
- Presentation and/or time constraint purposes

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Questions?

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