The Periodic Table of Forms
With Fusion 360

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Tough vs Friendly

Image Credit: Kristine Ambrose

IMAGE CREDIT: https://fusion360.autodesk.com/projects/bb-8
The Periodic Table of Forms

A Periodic Table of Form: The secret language of surface and meaning in product design, by Gray Holland

BY CORE JR - MAR 02, 2009

Current Product to Market
Volvo: $40k car vs $70k car

http://www.molbbk.com/images/volvoxc90-interior3.jpg

http://media.caranddriver.com/images/media/601419/2016volvoxc90interiorphoto-601421-s-986x603.jpg
How We Manufacture is Evolving

How We Manufacture is Evolving

http://fusedmachines.com
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Know Your Curves!

- **FILLET**
- **Edges**
- **Selections**
  - **Type**: Constant Radius
  - **Radius**: 19.772 mm
  - **Tangent Chain**: ✔
  - **G2**: ✔
- **Corner Option**: ✔

Technical Continuity Evaluation:

- **C^0**: Positional
- **C^1**: Tangent
- **C^2**: Curvature
Know Your Curves!
Know Your Curves!
$C^0$ Example:
$C^0$ Example:
$C^{0\sim 1}$ Example:
$C^1$ Example:

DeWalt 20 Volt MAX* Lithium Ion compact drill/driver and compact hammer drill

$C^2$ Example:

LG G Flex

Danze Emilia


\(C^{2 \sim 0}\) Example:

F22 Raptor

http://7-themes.com/data_images/out/61/6980090/22-raptor.jpg
$C^2 \sim 0$ Example:

Lamborghini Veneno

$C^{1\sim 2}$ Example:

Macbook Pro 2006
http://tsunanet.net/~tsuna/hr/macbook2.jpg
$C^{1\sim2\sim0}$ Example:

Anvil Studios - Fuji Transonic
http://www.anvil-studios.com/fuji-trasonic
$C^{1\sim 2 \sim 0}$ Example:
$C^0$
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Fusion 360 is your differentiator. Challenge yourself in how you apply your designs.