| | 3 VHD2-FGPA noted (2022-Feb) PAGE: DATE: |
|---------|---|
| | |
| | VHDL - what & "VHD2" Stands for ? |
| | V -> (VHSIC) -> Very High Speed Integrated Circuit H -> "Hardware" D -> "Depended Integrated D -> "D -> "Depended Integrated D -> "D |
| | T = " Ter (st bene |
| | · We are try to physically because how a signal chrewle operates. |
| | · Hatery of VHD2 :- VHD2 was a feeloped in 1981 by department as before (USA). VHD2 was beveloped |
| | as a way to affress He hardware like cycle critis of doctronics systems. The DOD, gave away all rights of He language to He IEEE (Later on) |
| | , · |
| Subseta | Deniced Hat about MDZ: |
| 0 | PPGA (Foeld Programmable Gate Array) |
| • | PPGA (Foeld Programmable Gate Array) CPLD (complex programmable 2000 device) ASJC (Application Specific Integrated circuit) |
| | FPGA: |
| | · Much higher logic capacity |
| | · Designed warmy logge Blocks · Much higher logge capacity · Ty prally are used for much more complex Lerryn |
| | · Volable Memory · More expensive Han CP2D |
| | · More expossive Han CPLD |

| | CPLD:-> |
|------|---|
| | · Lord Logic Capacita Hon PPGA |
| | · Loss Logic capacity Hon FPGA · Typically used for a simpler loss complex bosign · Non-volable memory · Typically more cost effective Hein FPGA. |
| + | · Tu oscallu and memora |
| | Is preated mose cost essective their Front. |
| No. | Major manusarbores & both one -> XIIINX as |
| | A) TEQA. |
| - 11 | Noje: > (NNI) ** |
| | ·VHDL is not a programming language |
| - | ·VHDL is not a programming language The are only uniting the consiguration sile, on FRUX or other, felling how should a physical digital circult run on FRGA. |
| | FPGH or other, telling how should a physical |
| | figilal circul run on PPGA. |
| | |
| | VHDL 12 not 30stware, it is used to beautibe |
| | He haraceane that somewhere sure |
| | when VHOL is synthesized the compiler rund through the code and construct the gates specified in the VHOL code and implements them only the targeted logic fevre. |
| | · When NHOT 18 SAWWENTER the world survived |
| | through He cote and contract of them only |
| | In the VHOL cote as important |
| | He targeted logic sevice. |
| | In a Timber duction to UHD2 in |
| | Three forgers of Three duction to UHDZ in Migh level) |
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