UVM- Day 21

TIM is week for communication among modules. TLM is the concept in which transaction based methods are implemented, there methods can be used for communication by the modules.

UVM TLM >

The uvm provider TLM library with transaction—
level interfaces, ports, exports, imp ports, and analysis

ports: all there of the elements are required to send a

transaction, receive of transaction, and transport from one

component to another. Where each one plays its unique

role.

receiving athe transaction of punt p paras of

Each TLM interface is either blocking, not blocking or

· All different types of TLM ports are wed like PIPES to connect between the components.

The uumottemolibrary proulder, so a

- · TIMI The TIMI portal provide blocking and non-blocking pay by value transaction level interfaces.
- TLM2- The TLM2 sockets provide blocking and non-blocking transaction level interfaces with well-defined completion
- · Sequence Port A push or pull port, with well-defined
- Analysis The analysis interface is well to perform non blocking broadcasts of transactions of connected components.

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|-------------|--|
| | |
| | - Transaction - Level Modeling (TLM) -: IMIT |
| PIMIT. | un TIM provider unidirectional and bidirectional, |
| 970 | TLM interfaces ports indus exports and |
| molton inun | oimp ported an analysis ports to FIFO's maland |
| | Listupped aft with |
| • | Each TLM interface is either blocking, non blocking or a |
| | combination of these two. |
| - notion | The DVM provide TLM library with From |
| 26/1 | level interface, parts, exports, imp parts missoil |
| D AD | at having Blocking TLM methods call will not return untill |
| 9110/011 | the transaction has been successfully sent or retrieved. |
| | component to another labers each one plays its |
| 6 | Non-blocking: |
| | to convey a transaction of the methods call attempts |
| P19FC | to convey a transaction of without sconsuming simulation time last and strag MIT to regul toward III |
| | to connect between the components |
| * | Combination: |
| | A combination interface contained both the |
| gaishold- | and nonblocking in variants |
| | TO THE COUNTY OF A COUNTY |
| Plakim | white thorn shows and the state of the state |
| - nortal gm | INC. I M I had made as |
| banibal | |
| | 15 wed to send a transaction |
| | |
| 40 | get: - get method is used to retrieve transaction from |
| | |
| 2 | peek: - peek method obtain a transaction with out consuming it |
| | The same of the sa |
| | another component without blacking the execution |
| | |