Change 94951 on 2003/04/10 by askende@askende r400 linux marlboro

removing redundant files.

Change 94950 on 2003/04/10 by askende@askende\_r400\_linux\_marlboro removing redundant files. The module are now part of the spi block Change 94873 on 2003/04/10 by askende@askende\_r400\_linux\_marlboro

releasing the following changes:

- 1. creation of the new SPI block
- 2. top level changes to support 8 SP instances
- 3. tracker changes to support a few IO name changes

Change 94830 on 2003/04/09 by mmantor@mmantor crayola linux orl

<SQ/SX/SP out of order thread completion and remove redundant storage in sp for sq/sx communitcations some sq cfs bug fixed and texture kill mask generation and other misc things>

Change 94730 on 2003/04/09 by askende@askende r400 linux marlboro

timing fix

Change 93993 on 2003/04/04 by askende@askende r400 linux marlboro

checked in a timing fix

Change 93160 on 2003/04/01 by askende@askende\_r400\_linux marlboro

checking in a timing (tentative) fix

Change 93010 on 2003/03/31 by askende@askende r400 linux marlboro

change related to :

matching the latency of the predicate and kill on both scalar and vector engines (7 cycles)  $% \left( \left( 1-\frac{1}{2}\right) \right) =0$ 

Change 92655 on 2003/03/28 by askende@askende r400 linux marlboro

changes related to :

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1. NaN propagation in case of DOT products

 qualifying the inf detection on the input of the scalar engine for operand b with ~single\_operand instruction

Change 92534 on 2003/03/27 by askende@askende\_r400\_linux\_marlboro

AMD1044 0254089

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added/updated comments...

Change 92515 on 2003/03/27 by askende@askende r400 linux marlboro

changes related to :

1.infinity propagation in case of DOT product
2.ignoring the NaN inputs in SrcC when dealing with two-operand opcodes

Change 92203 on 2003/03/26 by askende@askende\_r400\_linux marlboro

reverting the previous change.

Change 92018 on 2003/03/25 by askende@askende\_r400\_linux\_marlboro

releasing a fix related to detecting an overflow and clamping to max\_float in the scalar engine multiplier

Change 92000 on 2003/03/25 by hartogs@fl hartogs

Un-did previous change so that I would have to listen to Skende whine about it.

Change 91979 on 2003/03/25 by hartogs@fl hartogs

Put the "USE\_BEHAVE\_MEM" (dum\_mem\_p2) model back in.

Change 91689 on 2003/03/22 by askende@askende\_r400\_linux\_marlboro

reverting a change made to the swizzle logic in sp macc.v rev.56

Change 91601 on 2003/03/21 by askende@askende\_r400\_linux\_marlboro

releasing a fix related to maskgt opcode

Change 91566 on 2003/03/21 by askende@askende r400 linux marlboro

fix related to a typo in the swizzle logic when different channels of the same operand are selected from different sources (GPR vs. Previous result vs. Constant)

Change 90988 on 2003/03/19 by askende@askende\_r400\_linux\_marlboro

fix related to KILL (MASK) scalar instruction

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Change 90972 on 2003/03/19 by askende@askende\_r400\_linux\_marlboro

releasing changes to top level related to SoCBIST

Change 90786 on 2003/03/18 by askende@askende\_r400\_linux\_marlboro

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fixes related to: 1.vector MAX4 instruction 2.TRUNC/FLOOR vector instruction

Change 90624 on 2003/03/17 by askende@askende r400 linux marlboro

releasing a change related to NaN propagation in case of one-operand scalar instructions

Change 90245 on 2003/03/14 by askende@askende\_r400 linux marlboro

various changes

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Change 90171 on 2003/03/14 by askende@askende\_r400\_linux\_marlboro

fixes related to pred pop instruction

Change 90001 on 2003/03/13 by tien@tien r400 devel marlboro

cmask fixes, EMU still incorrect

Change 89943 on 2003/03/13 by askende@askende\_r400\_linux\_marlboro

releasing fix related to param gen inputs into the interpolators

Change 89848 on 2003/03/12 by askende@askende r400 linux marlboro

added opcode decoding to detect PRED\_POP,INV, CLR and RESTORE in sp\_macc.v
 routed the results of the above opcodes into the outputs of the scalar engine

Change 89778 on 2003/03/12 by askende@askende r400 linux marlboro

fix related to :
 1. vector pixel kill
 2. infinity propagation in case of DOT2ADD vector opcode

Change 89491 on 2003/03/11 by vbhatia@vbhatia\_r400\_linux\_marlboro Example stimulus generation tests Change 89330 on 2003/03/10 by askende@askende\_r400\_linux\_marlboro change related to flushing to zero the mantissa of the result when the exp <= 0 Change 89222 on 2003/03/09 by askende@askende\_r400\_linux\_marlboro fix related to SETGT instruction in the vector engine

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Change 89131 on 2003/03/07 by askende@askende r400 linux marlboro releasing changes related to : 1. CUBE opcode . 2. forcing to zero the mantissa for denorm float results. Change 88814 on 2003/03/06 by askende@askende r400 linux marlboro releasing a fix related to generation of an R400 FP NAN when dealing with neg values in the case of SQRT instruction Change 87889 on 2003/03/01 by askende@askende\_r400\_linux\_marlboro fix related to : 1. NaN and Inf when executing MAX4 opcode Change 87845 on 2003/02/28 by tien@tien r400 devel marlboro Fix for Nans and Infs Change 87738 on 2003/02/28 by askende@askende r400 linux marlboro released a fix related to Inf values in case of the DOT product Change 87200 on 2003/02/26 by askende@askende\_r400 linux marlboro releasing a fix related to detecting an exponent overflow and clamping to MAX FLOAT at the output of the interpolator Change 87093 on 2003/02/26 by tien@tien r400 devel marlboro Fixed a port issue in tp Added max clamp in sp tp norm32 Fixed max/min clamp in sp\_tp\_norm32 Fixed sens list issue in sp tp norm32 Change 87010 on 2003/02/26 by askende@askende\_r400\_linux\_marlboro changes related to : 1.timing 2.Nan and Inf in the case of vector FLOOR opcode Change 86930 on 2003/02/25 by tien@tien r400 devel marlboro Fix for 1D tex maps Fix for formatter Flopped tp id

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Remove 1'bl from clk en Change 86765 on 2003/02/25 by askende@askende r400 linux marlboro submitting changes related to : 1. fract vector opcode 2. kill mask vector opcode 3. DOT handling of NaN and Inf values Change 86625 on 2003/02/24 by tien@tien r400 devel marlboro DXN fixes 24\_8 float fixes 16 float fixes Change 86557 on 2003/02/24 by tien@tien r400 devel marlboro 24 8 fixes plus fixes for tp4-tc tests Change 86440 on 2003/02/24 by asutkows@asutkows\_r400\_sun\_marlboro latest sp.syn file. Change 86327 on 2003/02/23 by askende@askende r400 linux marlboro fixes related to : 1. FLOOR instruction in the scalar engine 2. Handling of NaN values when executing SQRT instruction Change 86287 on 2003/02/23 by askende@askende\_r400\_linux\_marlboro releasing fixes related to TRUNC and FLOOR opcodes Change 86180 on 2003/02/21 by askende@askende r400 linux marlboro change related to a timing fix in the MOVA const address path Change 86025 on 2003/02/21 by jmarsano@R400\_FUSEBOXES\_JMARSANO PTA files for sp and sx Change 85869 on 2003/02/21 by rramsey@rramsey crayola linux orl remove wr address pipelining from visr1,2,3 and just use address from sq Change 85834 on 2003/02/21 by tien@tien\_r400\_devel\_marlboro

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