Change to ifsStretchRatio

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Howard points out deficiency in ifsStretchRatio

Definition is essentially:

Reduce bit rate by 8/n, where n is ifsStretchRatio

Works OK for large n

Fine granularity where rates are closely matched

Breaks down for n <6

Lowest rate is 12.5%, very granular for low rates

Needs enhanced method for operation at <75%

3 possibilities

1. Change definition to n/m

    2 variables: ratio enumerator and denominator

    (practically) infinite resolution and range

2. Change to a real/floating (or pseudo real) definition

    1 real/floating variable (probably not useful) or …

    … 2 variables: ratio exponent and mantissa

    Could be restriction on enumerator values (power of 2)

3. Change enumerator to a larger (fixed) value

    Simple, fixed integer multiply in current definition

    e.g. 1024/n => ~1% @ 10:1 ratio

Questions…

… or comments

Proposed task force resolution

Change rate control mechanism:

1. Define ratio as enumerator and denominator

… or

2. Define ratio as exponent and mantissa

… or

3. Define ratio as higher number divided by "n"