

1 Pose en libre $\langle A2 \rangle = \tanh(\langle A0 \rangle)$

$$\frac{1 - e^{-2x}}{1 + e^{-2x}}$$

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XFFTH: MOVE.L (A0), -(SP)
      MOVE.L A0, -(SP)
      BCLR #7, 2(A0)

      BSR XFFTH1
      MOVE.L (SP)+, A0
      MOVE.W (SP)+, (A0)+
      TST 2(A0) MOVE (SP)+, (A0)+
      BPL GAP39
      { ADDQ #2, A2
        CHGS
        SUBQ #2, A2
      }

GAP39: RTS

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XFFTH: LEA XFFTH1, A3
      BRA GAP64 @163

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XFFTH1: SUBQ #1, (A0)+ x → 2x
      BVS XPOSF1 @ si dépasement 1 par 1v
      BSR XFFHYP
      BMI GAP44 → |x| < 1/16
                ↓ |x| > 1/16

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      CMP #4000, (A0)
      BEQ KL73 → 0
      BCHG #7, (A0) 2x → -2x
      SUBQ #2, A0
      MOVE.L A6, -(SP)

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MOVE.L A6, -(SP)
      BSR XFFEXP e2x
      BSR XPOSF1
      MOVE.L A2, A0
      MOVE.L (SP), A1
      MOVE.L A0, -(SP) 1 - e-2x
      BSR XFLSUB
      MOVE.L (SP)+, A0 1
      MOVE.L (SP), A1 e-2x
      MOVE.L A2, -(SP)
      BSR XFLADD 1 + e2x
      MOVE.L A2, A1
      MOVE.L (SP)+, A0

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GAP42: BSR XFLDIV 1 - e-2x / 1 + e-2x
      BRA KL860 → mis en libre

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GAP44: BSR XFFEXPA

a1 $e^{-2x} - 1$

~~MOVE.L A1, -(SP)~~

⊗ MOVE.L A1, -(SP)

$e^{-2x} - 1$) #e_{base}

BSR XPOSF1

SUBQ #1, (A2)

} 2n

MOVE.L (SP), A0

MOVE.L A2, A1

BSR XFLADD

$e^{-2x} + 1$

⊗ MOVE.L (SP)+, A0

MOVE.L A2, A1

LEA 2(A0), A2

CHGS

$1 - e^{-2x}$

BRA GAP42