



(3) Slew Rate

Input referred noise.

$$V_{n,eq}^2 = 2\left[V_{n,eq}^2 + \frac{g_{mx}^2}{g_{mi}^2}\right]$$

$$\frac{V_{n_1}^2 = 16kT}{3} \times \frac{1}{19mi}$$

9m17. 16KT 3x(100x10-9)2

	* Using also state Unity gain freque egn
	* Using also settle mitte Unity guilt
	1. J.D. Shart Barrier
	Cc < 9m,
	011 × 109
	Cc 2 10× 10-5
	211×109
nd l	00 < 15.91 FF
	Constant Contract of the Contr
	[C,=15 PF]
	using slew rate
	1017400 V/us
	To To 7 400 V/us
	7. 7, Cx 400×106
	2g; 7, 6.364 MA
	2012 201A JP 100B
	10=20MAINE IMP
	Too > To (1+ CL)
	102> 101 (1+ CL)
	7027 20 (1+ 0.5x10-12) 15.x10-15)
	15·×10-15
	To2720(33.3)
	D= > (((0 × 0)) × 8
	2827 666.6 MA CPINE BOTTO 2
	IB2= 800 MA
merci.	

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$$g_{m_1} = \sqrt{\frac{I_{\Theta_1} K_n(W/L)_{1/2}}{\frac{g_{m_1}^2}{I_{\Theta_1} K_n}}}$$

$$= \frac{(100)^2 \times 10^{-12}}{20 \times 10^{-6} \times 419 \times 10^{-6}}$$

* My trammate drapped this course so I have to do this alone. Hence no contribution table.