Conditions	Δ_F	Class	$\mathcal{NL}(F)$	Class
$m \leqslant n/2$	2^{n-m}	PN (bent)	$2^{n-1} - 2^{\frac{n}{2}-1}$	bent (PN)
n/2 < m < n	$> 2^{n-m}$	-	$ \leqslant 2^{n-1} - \frac{1}{2} \left(3 \cdot 2^n - 2 - \frac{2(2^n - 1)(2^{n-1} - 1)}{(2^m - 1)} \right)^{1/2} $	-
m = n, n is odd	2	APN	$2^{n-1} - 2^{\frac{n-1}{2}}$	AB
$m = n, n \ is \ even$	2		$ \begin{array}{c} 2^{n-1} - 2^{\frac{n}{2}} \\ (\text{Conjectured}) \end{array} $	-

Known Optimal Values and Classes for Differential Uniformity and Nonlinearity from \mathbb{F}_{2^n} to \mathbb{F}_{2^m}