$$C_{3\times 3} = \begin{bmatrix} c_{11} + c_{12} + c_{13} & -c_{12} & -c_{13} \\ -c_{21} & c_{22} + c_{22} + c_{23} & -c_{23} \\ -c_{31} & -c_{32} & c_{31} + c_{32} + c_{33} \end{bmatrix} \begin{matrix} \text{VSUBS} \\ \text{C0} \\ \text{C1} \end{matrix}$$

(columns labeled: VSUBS, C0, C1)

$$C_{avg} = \begin{bmatrix} c_{11} - |\mathrm{avg}(c_{12}, c_{21})| - |\mathrm{avg}(c_{13}, c_{31})| & |\mathrm{avg}(c_{12}, c_{21})| & |\mathrm{avg}(c_{13}, c_{31})| \\ |\mathrm{avg}(c_{12}, c_{21})| & c_{22} - |\mathrm{avg}(c_{12}, c_{21})| - |\mathrm{avg}(c_{23}, c_{32})| & |\mathrm{avg}(c_{23}, c_{32})| \\ |\mathrm{avg}(c_{13}, c_{31})| & |\mathrm{avg}(c_{23}, c_{32})| & c_{33} - |\mathrm{avg}(c_{13}, c_{31})| - |\mathrm{avg}(c_{23}, c_{32})| \end{bmatrix}$$

$$C_{femtofarad} = \begin{bmatrix} 2.09 - \mathrm{avg}(0.147, 0.164) - \mathrm{avg}(0.74, 0.77) & \mathrm{avg}(0.147, 0.164) & \mathrm{avg}(0.74, 0.77) \\ \mathrm{avg}(0.147, 0.164) & 14.77 - \mathrm{avg}(0.147, 0.164) - \mathrm{avg}(14.44, 14.52) & \mathrm{avg}(14.44, 14.52) \\ \mathrm{avg}(0.74, 0.77) & \mathrm{avg}(14.44\ 14.52) & 15.48 - \mathrm{avg}(0.74, 0.77) - \mathrm{avg}(14.44\ 14.52) \end{bmatrix}$$

$$= \begin{bmatrix} 1.18 & 0.16 & 0.75 \\ 0.16 & 0.13 & 14.48 \\ 0.75 & 14.48 & 0.25 \end{bmatrix}$$

Result CSV

Device	Net1	Net2	Capacitance [F]	Capacitance [fF]
Cext_0_1	VSUBS	C1	1.555125e-16	0.16f
Cext_0_2	VSUBS	C0	7.52909e-16	0.75f
Cext_1_2	C1	C0	1.44824e-14	14.48f
Cext_1_1	C1	VSUBS	1.307875e-16	0.13f
Cext_2_2	C0	VSUBS	2.45291e-16	0.25f