



MOMENT CALCULATIONS

$M_{2.1404} = -903.760 \# \cdot 32.1404 = -29047.2 \#$
 $M_{2.1404} = -903.760 \# \cdot 32.1404 - 2664.52 \# \cdot 3.19796 = -37568.3 \#$
 $M_{5.82609} = -903.760 \# \cdot 57.9664 + 1109.71 \# \cdot 5.82609 + 2664.52 \# \cdot (3.94184 - 3.19796) - 1700.11 \# \cdot 3.94183 = -32574.1 \#$
 $M_{5.82609} = -903.760 \# \cdot 57.9664 + 1109.71 \# \cdot 5.82609 + 2664.52 \# \cdot (3.94184 - 3.19796) - 1700.11 \# \cdot 3.94183 + 1570.40 \# \cdot (3.94183 + 2.22499) = -22889.8 \#$
 $M_{5.82609} = -903.760 \# \cdot 57.8547 - 1700.11 \# \cdot 19.2583 + 1109.71 \cdot 25.7143 + 2664.52 \# \cdot (19.2583 - 3.19796) - 1007.50 \# \cdot 19.8882 + 1570.40 \# \cdot (19.2583 + 2.22499) = 0.518021 \approx 0$