```
In[*]:= (*数据*)
                 mv = 2433;
                mf = 4866;
                 k = 80000;
                 g = 9.8;
                 r = 1025 * g * Pi;
                                                          _圆周珲
                w = 1.4005;
                ma = 1335.535;
                 \mu = u = 656.3616;
                 f = 6250;
                 v = 10000;
 log_{p|p} = (*xx1' = (-k x1 + k x2 - v (xx1 - xx2) Sqrt[Abs[xx1[t] - xx2[t]]))/mv;
                                                                                                                                     [平方根]绝对值
                 xx2' = (-k x2+k x1+v (xx1-xx2) Sqrt[Abs[xx1[t]-xx2[t]]] - \mu xx2+f Cos[w t]-r x2)/
                                                                                                                          L平方根L绝对值
                          (mf+ma);
                 x1'=xx1;
                 x2'=xx2;*)
                 jacobian =
                     N[D[\{xx1, xx2, (-kx1+kx2-v(xx1-xx2) Sqrt[xx1-xx2]) / mv, (-kx2+kx1+xx2)]
                                                                                                                                                                      L平方根
                                              v (xx1-xx2) Sqrt[xx1-xx2] - \mu xx2-r x2) / (mf+ma) \}, { \{x1, x2, xx1, xx2\} \} ] ]
Out[\circ]= \{\{0., 0., 1., 0.\}, \{0., 0., 0., 1.\},
                     \{-32.8812, 32.8812, -6.16523 \sqrt{xx1-1.xx2}, 6.16523 \sqrt{xx1-1.xx2}\}, \{12.9, xx1-1.xx2\}, \{1
                         -17.9887, 2.41876 \sqrt{xx1-1.xx2}, 0.00016125 × (-656.362 - 15000. \sqrt{xx1-1.xx2})}
                 jacobian /. \{xx1 \rightarrow 1, xx2 \rightarrow -1\} (*速度区间在正负一内,速度差最大求最大刚度*)
Out[\circ]= {{0., 0., 1., 0.}, {0., 0., 0., 1.},
                     \{-32.8812, 32.8812, -8.71895, 8.71895\}, \{12.9, -17.9887, 3.42064, -3.52648\}\}
```