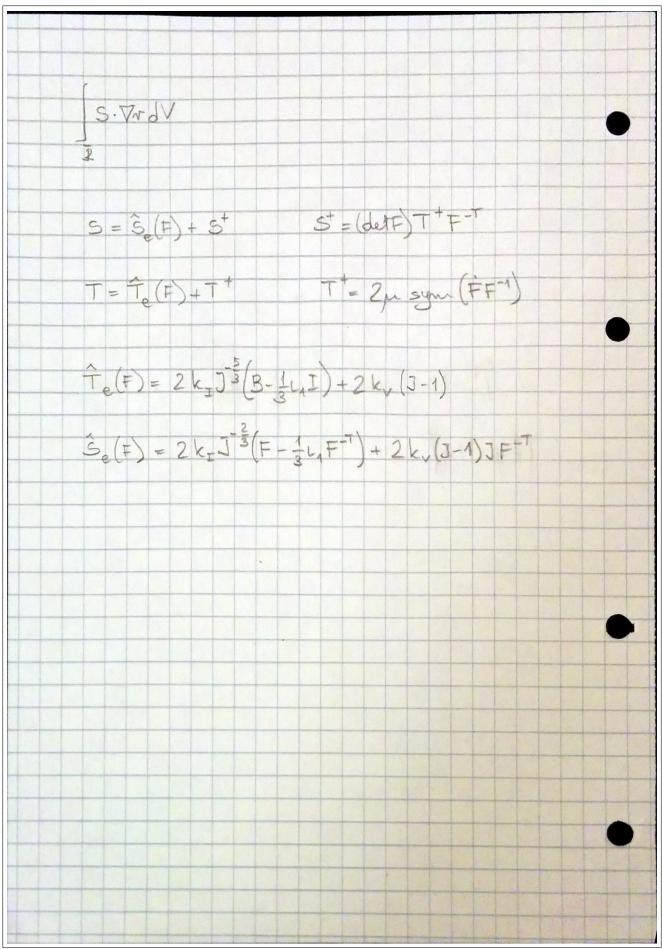
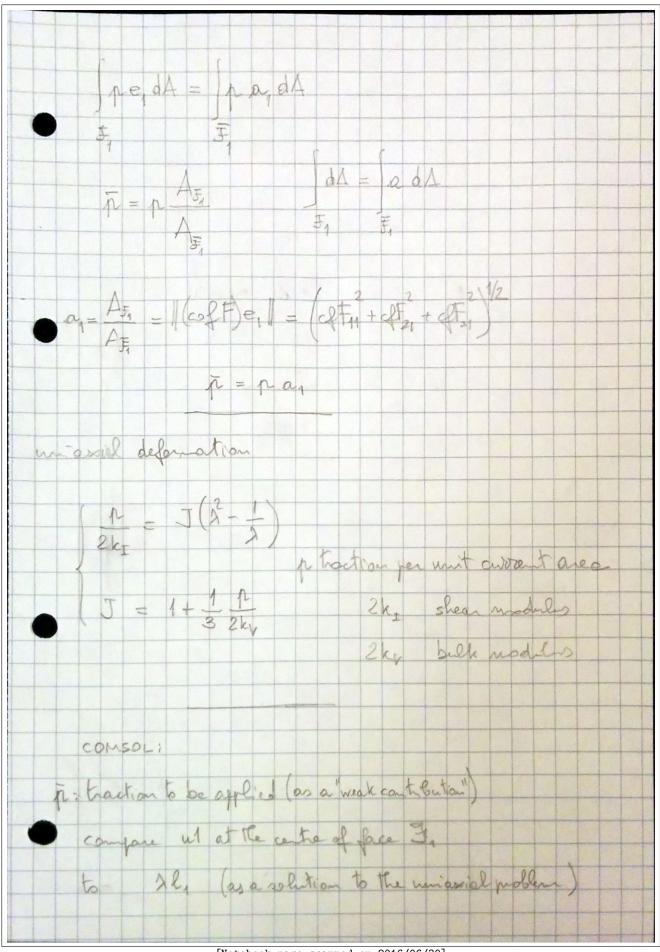


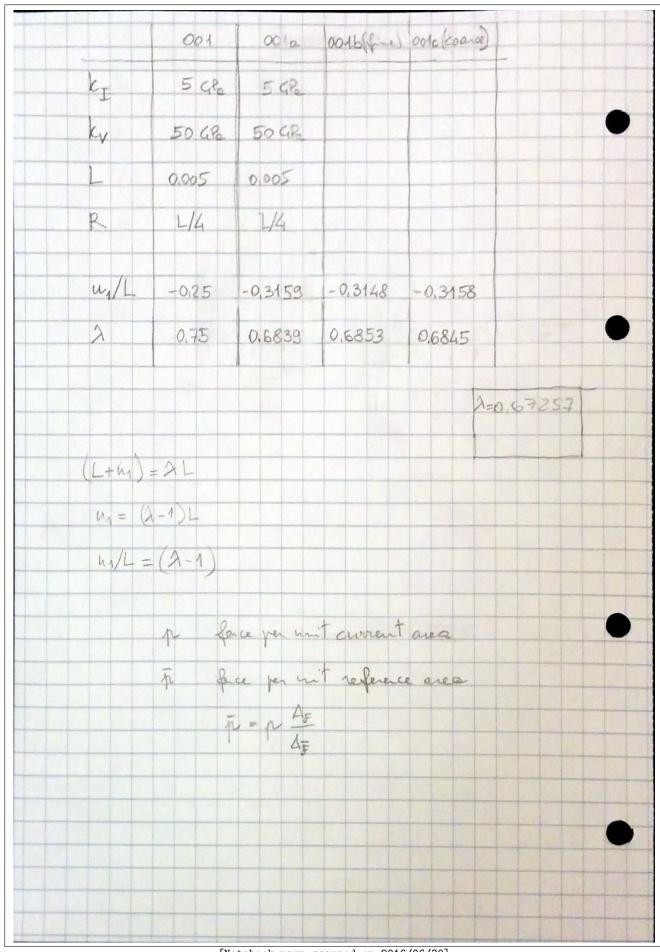
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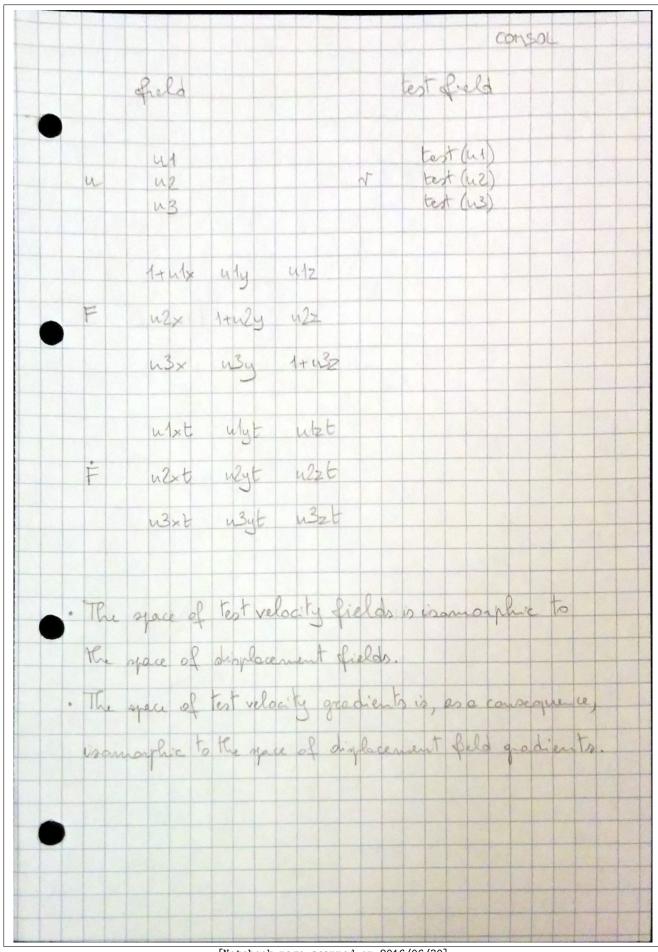
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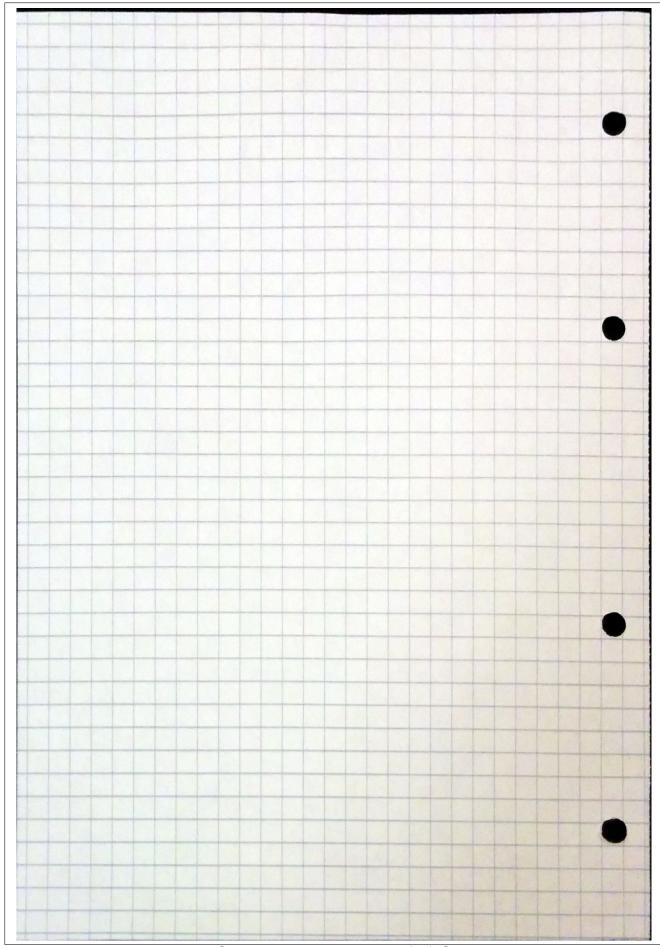
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```
class_comsol-model-(15-01).txt
                                       Mon Jun 08 15:24:40 2015
                                                                        1
    1: Dp11 1+u1x
    2: Dp21
               u2x
    3: Dp31
                иЗх
    4: Dp12
               ulv
    5: Dp22
               1+u2y
    6: Dp32
               u3y
    7: Dp13
               ulz
    8: Dp23
               u2z
    9: Dp33
              1+u3z
   10: f11
                Dp11
   11: f21
                Dp21
   12: f31
                Dp31
   13: f12
                Dp12
   14: f22
                Dp22
             Dp32
   15: £32
   16: f13
                Dp13
   17: f23
                Dp23
   18: f33
               Dp33
   19: B11
              f11*f11+f12*f12+f13*f13
   20: B12
                f11*f21+f12*f22+f13*f23
               f11*f31+f12*f32+f13*f33
   21: B13
               f21*f11+f22*f12+f23*f13
   22: B21
   23: B22
               f21*f21+f22*f22+f23*f23
               f21*f31+f22*f32+f23*f33
   24: B23
   25: B31
              f31*f21+f32*f22+f33*f23
f31*f31+f32+f32*f22
               f31*f11+f32*f12+f33*f13
   26: B32
               f31*f31+f32*f32+f33*f33
   27: B33
   28: detF
               -(f13*f22*f31)+f12*f23*f31+f13*f21*f32-f11*f23*f32-f12*f21*f33+f11*f22*f33
   29: J
               detF
   30: i1
                B11+B22+B33
   31: i2
               (i1^2-(B11^2+B12^2+B13^2+B21^2+B22^2+B23^2+B31^2+B32^2+B33^2))/2
               -(f23*f32)+f22*f33
   32: cfF11
              f23*f31-f21*f33
   33: cfF12
   34: cfF13
               -(f22*f31)+f21*f32
   35: cfF21 f13*f32-f12*f33
   36: cfF22
                -(f13*f31)+f11*f33
   37: cfF23 f12*f31-f11*f32
   38: cfF31 -(f13*f22)+f12*f23
   39: cfF32 f13*f21-f11*f23
   40: cfF33
                -(f12*f21)+f11*f22
   41: cfDp11 cfF11
   42: cfDp21 cfF21
   43: cfDp31
                cfF31
   44: cfDp12 cfF12
   45: cfDp22 cfF22
   46: cfDp32 cfF32
   47: cfDp13 cfF13
   48: cfDp23 cfF23
   49. cfDp33 cfF33
50: finv11 cfF11/detF
   51: finv21 cfF12/detF
   52: finv31 cfF13/detF
53: finv12 cfF21/detF
54: finv22 cfF22/detF
   55: finv32 cfF23/detF
   56: finv13 cfF31/detF
57: finv23 cfF32/detF
   58: finv33 cfF33/detF
   59: fllt
               ulxt
   60: f21t
                u2xt
   61: f31t
                u3xt
   62: f12t
                ulyt
   63: f22t
                u2yt
   64: f32t
                u3yt
   65: £13t
                u1zt
   66: f23t
                u2zt
   67: £33t
                u3zt
                f11t*finv11+f12t*finv21+f13t*finv31
   68: Dv11
               f21t*finv11+f22t*finv21+f23t*finv31
   69: Dv21
                f31r*finv11+f32t*finv21+f33t*finv31
   70 · Dw31
```

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Mon Jun 08 15:24:40 2015
                                                                      2
class_comsol-model-(15-01).txt
   71: Dv12
             f11t*finv12+f12t*finv22+f13t*finv32
   72: Dv22
              f21t*finv12+f22t*finv22+f23t*finv32
             f31t*finv12+f32t*finv22+f33t*finv32
   73: Dv32
   74: Dv13
               f11t*finv13+f12t*finv23+f13t*finv33
              f21t*finv13+f22t*finv23+f23t*finv33
   75: Dv23
   76: Dv33
              f31t*finv13+f32t*finv23+f33t*finv33
   77: S11
               (Sel1+Sdiss11)
   78: S21
               (Se21+Sdiss21)
   79: S31
              (Se31+Sdiss31)
   80: S12
               (Se12+Sdiss12)
   81: S22
               (Se22+Sdiss22)
              (Se32+Sdiss32)
   82: 532
              (Sel3+Sdissl3)
   83: S13
   84: S23
               (Se23+Sdiss23)
   85: S33
              (Se33+Sdiss33)
               2*kI*J^(-2/3)*(f11-(i1/3)*finv11)+2*kV*(J-1)*cfF11
   86: Sel1
               2*kI*J^(-2/3)*(f12-(i1/3)*finv21)+2*kV*(J-1)*cfF12
   87: Se12
   88: Se13
              2*kI*J^(-2/3)*(f13-(i1/3)*finv31)+2*kV*(J-1)*cfF13
               2*kI*J^(-2/3)*(f21-(i1/3)*finv12)+2*kV*(J-1)*cfF21
   89: Se21
               2*kI*J^{(-2/3)}*(f22-(i1/3)*finv22)+2*kV*(J-1)*cfF22
   90: Se22
   91: Se23
             2*kI*J^(-2/3)*(f23-(i1/3)*finv32)+2*kV*(J-1)*cfF23
              2*kI*J^(-2/3)*(f31-(i1/3)*finv13)+2*kV*(J-1)*cfF31
   92: Se31
             2*kI*J^(-2/3)*(f32-(i1/3)*finv23)+2*kV*(J-1)*cfF32
   93: Se32
               2*kI*J^(-2/3)*(f33-(i1/3)*finv33)+2*kV*(J-1)*cfF33
   94: Se33
   95: Sdiss11 cfF11*Tdiss11+cfF21*Tdiss12+cfF31*Tdiss13
   96: Sdiss12 cfF12*Tdiss11+cfF22*Tdiss12+cfF32*Tdiss13
   97: Sdiss13 cfF13*Tdiss11+cfF23*Tdiss12+cfF33*Tdiss13
   98: Sdiss21 cfF11*Tdiss21+cfF21*Tdiss22+cfF31*Tdiss23
   99: Sdiss22 cfF12*Tdiss21+cfF22*Tdiss22+cfF32*Tdiss23
  100: Sdiss23 cfF13*Tdiss21+cfF23*Tdiss22+cfF33*Tdiss23
  101: Sdiss31 cfF11*Tdiss31+cfF21*Tdiss32+cfF31*Tdiss33
  102: Sdiss32 cfF12*Tdiss31+cfF22*Tdiss32+cfF32*Tdiss33
  103: Sdiss33 cfF13*Tdiss31+cfF23*Tdiss32+cfF33*Tdiss33
  104: T11
             (Tell+Tdiss11)
  105: T21
              (Te21+Tdiss21)
  106: T31
               (Te31+Tdiss31)
  107: T12
              (Tel2+Tdiss12)
               (Te22+Tdiss22)
  108: T22
  109: T32
               (Te32+Tdiss32)
  110: T13
               (Te13+Tdiss13)
             (Te23+Tdiss23)
  111: T23
  112: T33
                (Te33+Tdiss33)
  113: Tell
              2*kI*J^{(-5/3)}*(B11-i1/3)+2*kV*(J-1)
             2*kI*J^(-5/3)*B12
  114: Te12
  115: Tel3
               2*kI*J^(-5/3)*B13
  116: Te21
            2*kI*J^(-5/3)*B21
  117: Te22 2*kI*J^(-5/3)*(B22-i1/3)+2*kV*(J-1)
  118: Te23
               2*kI*J^(-5/3)*B23
  119: Te31
              2*kI*J^(-5/3)*B31
              2*kI*J^(-5/3)*B32
  120: Te32
  121: Te33
               2*kI*J^{(-5/3)}*(B33-i1/3)+2*kV*(J-1)
  122: Tdiss11 mu*(Dv11+Dv11)
  123: Tdiss12 mu* (Dv12+Dv21)
  124: Tdiss13 mu*(Dv13+Dv31)
  125: Tdiss21 mu*(Dv21+Dv12)
  126: Tdiss22 mu*(Dv22+Dv22)
  127: Tdiss23 mu*(Dv23+Dv32)
  128: Tdiss31 mu*(Dv31+Dv13)
  129: Tdiss32 mu*(Dv32+Dv23)
  130: Tdiss33 mu*(Dv33+Dv33)
  131: TSph (T11+T22+T33)/3
132: phi kI*(J^(-2/3)*i1-3)+kV*(J-1)^2
```

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