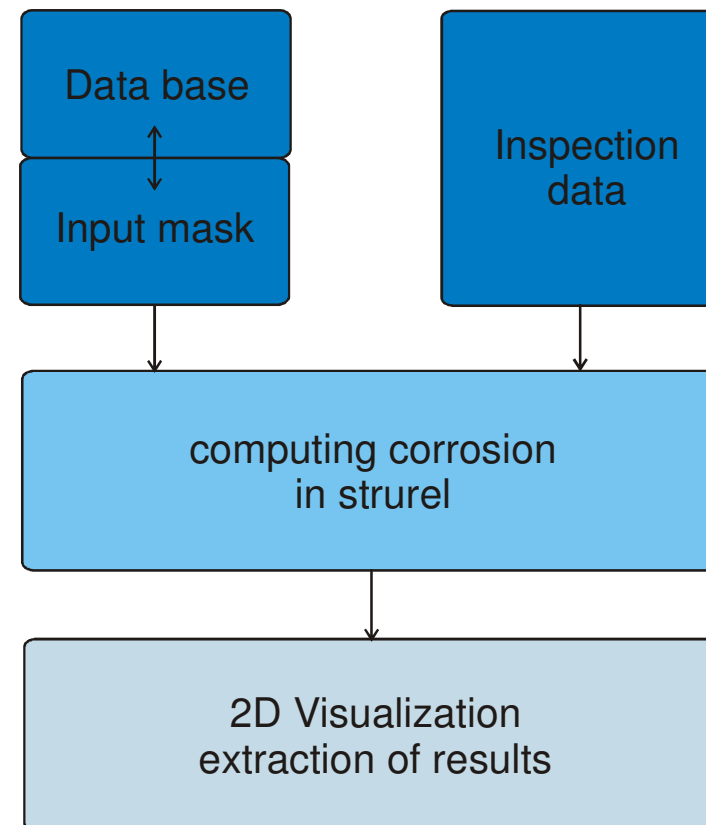


# Visualization corroding areas

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- Data: linking input mask with data Base, Bundle inspection data
- Computing: Writing a program to bundle data for computation in Strurel
- Results: Writing a program to extract and visualize the results from Strurel





## Visualization corroding areas

- Computing
  - Write a program to bundle data for computation in Strurel

```

SYSREL - [C:\PROGRAM FILES (X86)\STRUREL\SYSSYMB.960\F(DC,CL).ISY]
File Function Model Process Display Window Help
State Functions
DEFFUNC(1)(x){inverse Fehlerfunktion}=icphi((x+1)/2)/sqrt(2)
DEFFUNC(2)(k)=exp(bex*(1/293-1/Tist))

FLIM(1)(Update)=x_ins1-deltax-2*FUNC(1)(1-C_ins1/(CSdeltax))*sqrt(FUNC(2))
FLIM(2)(Update)=x_ins2-deltax-2*FUNC(1)(1-C_ins2/(CSdeltax))*sqrt(FUNC(2))
FLIM(3)(Update)=x_ins3-deltax-2*FUNC(1)(1-C_ins3/(CSdeltax))*sqrt(FUNC(2))

FLIM(4)():dcMeas-deltax-2*FUNC(1)(1-Ccrit/(CSdeltax))*sqrt(FUNC(2))*DRCM*k
    
```

```

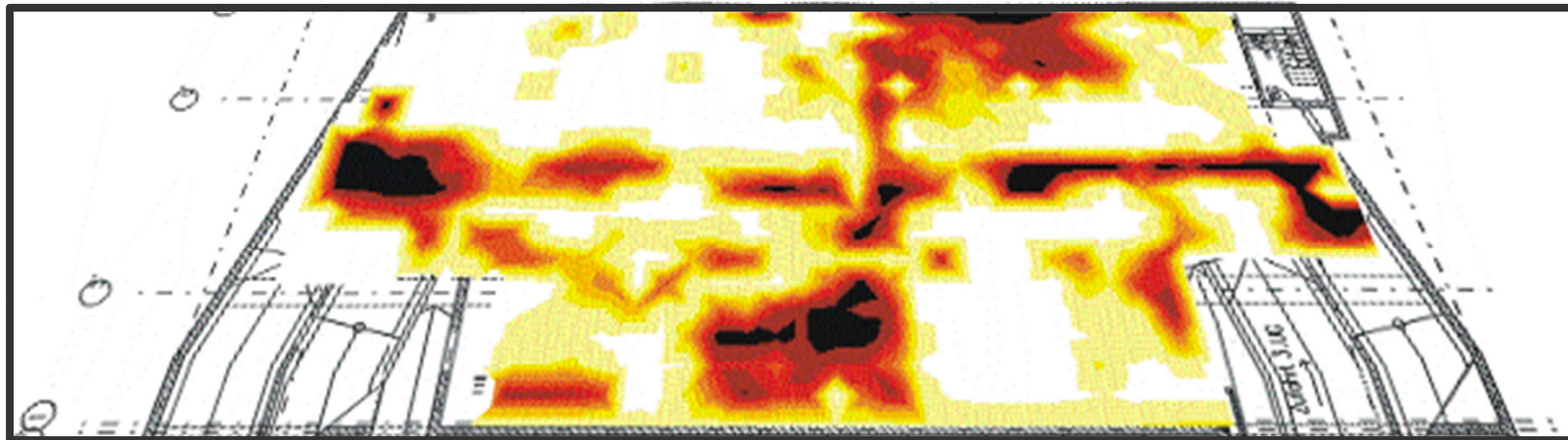
SYSREL - [C:\PROGRAM FILES (X86)\STRUREL\SYSSYMB.960\F(DC,CL).ISY] - [System Reliability Analysis]
File Function Model Process Display Window Help
M.N.I. with dimension 1
M.N.I. with dimension 1
M.N.I. with dimension 1
M.N.I. with dimension 1
*SYSREL*: Linearizing C U T - S E T No. 2

Lower Bound PF, L.B.-beta , Upper Bound PF, U.B.-beta , IER
0.2082E-03 3.530 0.2082E-03 3.530 0

----- Parameter study for Parameter: t -----
Par.Value , Lower Bound PF, L.B.-beta , Upper Bound PF, U.B.-beta
14.00 0.2082E-03 3.530 0.2082E-03 3.530
-----
15.00 0.3158E-03 3.418 0.3158E-03 3.418
-----
16.00 0.4569E-03 3.316 0.4569E-03 3.316
-----
17.00 0.6357E-03 3.222 0.6357E-03 3.222
-----
18.00 0.8529E-03 3.137 0.8529E-03 3.137
-----
19.00 0.1115E-02 3.058 0.1115E-02 3.058
-----
20.00 0.1423E-02 2.984 0.1423E-02 2.984
-----
21.00 0.1779E-02 2.915 0.1779E-02 2.915
-----
22.00 0.2183E-02 2.850 0.2183E-02 2.850
-----
23.00 0.2637E-02 2.790 0.2637E-02 2.790
-----
24.00 0.3140E-02 2.733 0.3140E-02 2.733
-----
25.00 0.3691E-02 2.679 0.3691E-02 2.679
-----
26.00 0.4265E-02 2.630 0.4265E-02 2.630
    
```

# Visualization corroding areas

- Results
  - Extract results from Struel
  - Visualize results from Struel



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