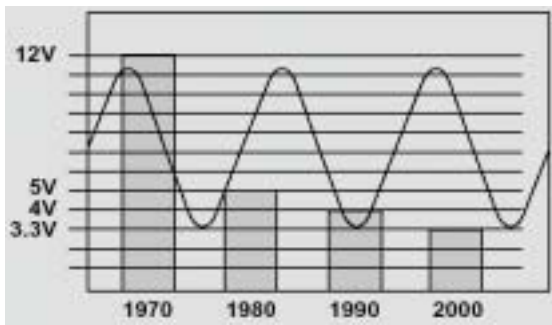


(Surge)

1.

- SMPS 가 .
- 가 Linear , 332 \$.
- / (I/O) 가
- (Signal Track) Arc가 .
- , Reset, Mode

2.



1980 , 5V , 1990

Transient Chip .

3. 가

3.1 St. Paul Insurance Co.

1992 1996 5 ,
17 \$.
8.7% , 3.8%

3.2 State Farm Insurance Co.

30
, 332 \$.

3.3 Insurance Information Institute, NY

5%가 ,
10 \$.

3.4 Factory Mutual Companies

가
3-4%가 .

4.

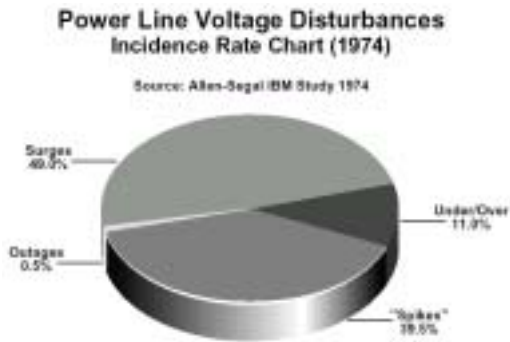
4.1 EL&P

1993 3 EL&P(Electric Light &
Power) , Fortune 1,000
가 3.48
(45) ,
260 (34)

4.2 Computer Technology Review

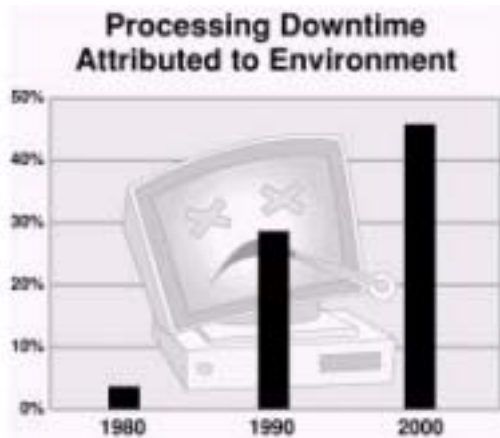
Computer Computer Technology Review
가
78,000 ,
10 ,
, 2001 , 가
260 , 300

4.3 IBM



IBM 1974 National Power Lab
 1994
 (Power Line Voltage Disturbances) 90%가
 Transient Surge Protection
 가

4.4 MIS Week



MIS Week

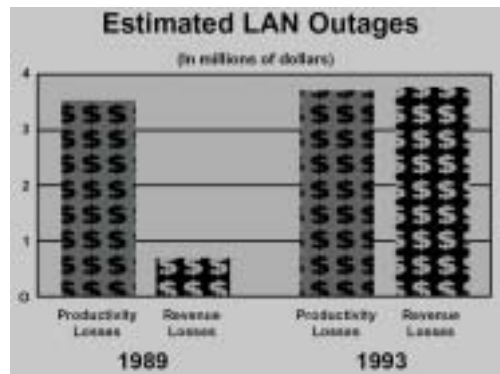
1980 5% 1990 27% , 2000 47%
 가 . 가
 가 가

1980 5V
 , 1990

가

(transient)

4.5 Infonetics Research



LAN

Infonetics Research 1989
 LAN 가

1993 가 , 4

Applications Manual and Reference Guide for ..., Leviton
 Application Notes TAN1009, MTL Surge Technologies
 Design Advances Improve SPD Reliability and Safety, By Alan Chiste, Cutler-Hammer
 Why Protect the UPS System, ECS International Inc.

