

Is the PIE past its sell-by date?

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20 years ago

the PIE and all that

interaction models

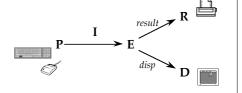


- generic models of classes of system
- mainly to aid understanding of general issues

the PIE model (Dix & Runciman, 1985)



- 'minimal' model of interactive system
- focused on external observable aspects of interaction



properties - WYSIWYG



$P \xrightarrow{I} E \xrightarrow{\text{result}} R$ $\downarrow \text{predict}$ $\downarrow \text{display}$

 $\exists \ \ predict \in (\ D \ {\rightarrow}\ R\) \ \ s.t. \ predict \ o \ display \ = \ result$

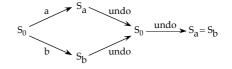
• but really not quite the full meaning

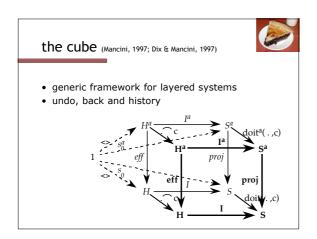
proving things - undo

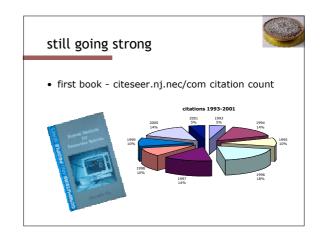


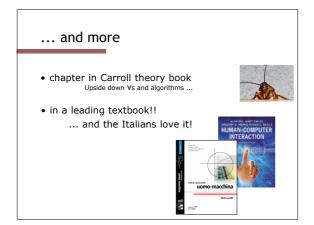
∀c: c undo ~ null ?

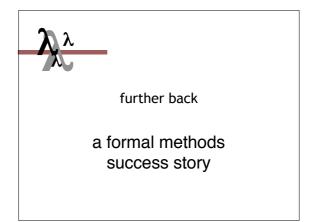
only for c ≠ undo

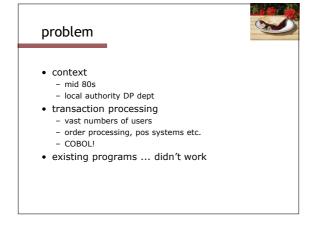


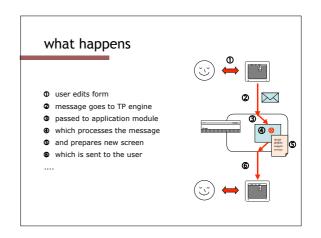


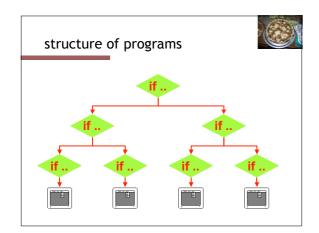


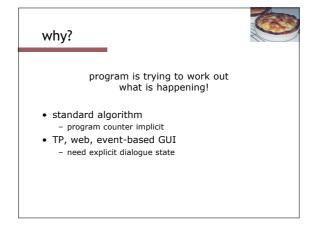


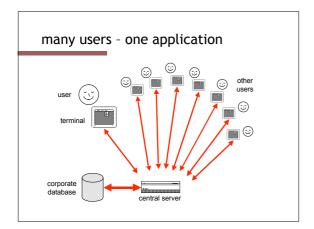




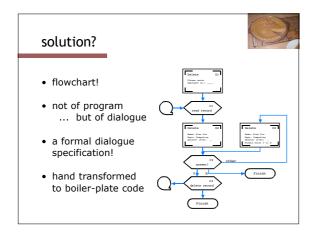


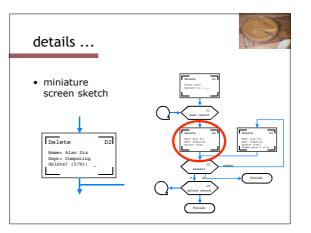


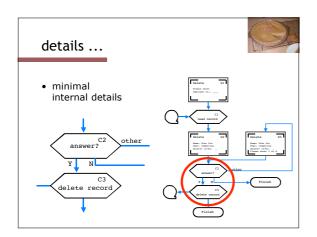


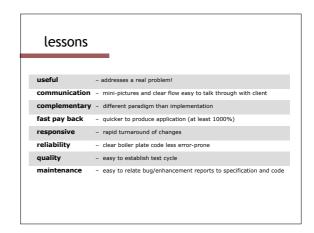


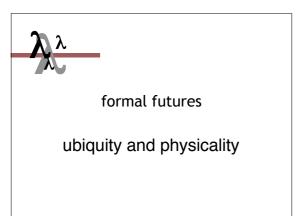


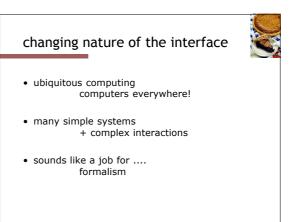




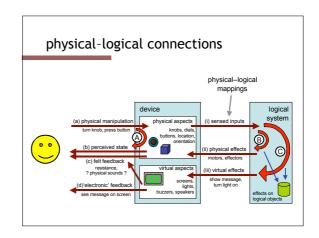


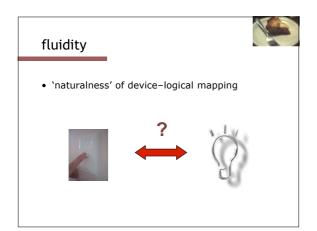


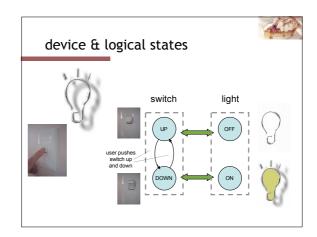


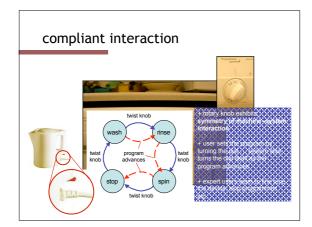


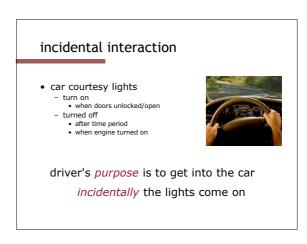


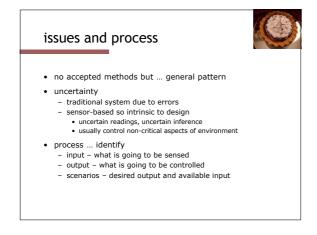


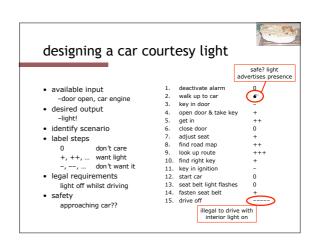














in summary ...

after 20 years the PIE is still fresh