- Foundations Concurrent Syptims Solutioni basic client - server interaction pattern: PHY 6 dient server JMB Sund request (-) - wait request () work do request wait reply () - send reply () A given client waits until the server takes its requestthey synchronice & the request is passed. Note no need for kernel buffering of message The server may have a queue of pending client messages I will synchronize with them in some order of FCFS. Bussem: after carrying out the request the server nust wait to synchronise with the current client - which may still be doing its am work or may have gone unto a loop or crashed. Meanwhile offen client wait Solutionis · Make clients use a "call" style princiture et Amorba/Thoth ...
- may not be an optioni · Build buffers at this (prouss) level instead of in the land as with asynchronous messaging. But care must be taken to avoid server delay in synchroning nien one or more buffer management provinces ex buffer bue. es seply buffer client waitcher buffer warrenn.

client sund buffer warrenn. - send reply to buffer myor. · Exploit multi-threading at the server.

- Could fork a thread for each client request - die after repey sent.

- (med sork a thread at the point a reply is to be sent _ "