Under conditions of no counterparty rist, the value of each loops, for leg of the like is the sum of discounted cash cloops, for the fixed leg the fixed leg the present value of the present value of the present value of the present value of the lixed leg cash leg tixed cash leg the discount later the discount later is the discount later to the discount later to the discount later the discou

The present value of the Floating leg 15 seceived.

(ab) PV = Z CF. where CF is the Flow voribbles are cash flow voribbles are sold all other values are

is the time of si

The PV of the contract for the porty poping fixed log

Bol Boh Bol (2)

(The signs for the counterporty are reverse)

The payments for the flooting leg are not before in the yld curve. The yld curve is obtained by interpolating short term doposit rates, the modium term interest rates, the modium term interest rates that there instruments term interest rate instruments term interest rate instruments such os too word tote the harepasts chest care instruments

At the indestion of the contract, the value of the contract is zero for both parties. Thus, given the sellimated floating and a payments can be present value of the floating leg payments can be extincted when the fixed rose payments to equal the

present value of the bund note floting leg. Counterparty Risk and central clearing by few large swap dealers (SD) and Mojor swaps Participant (MSP) rather than the bilateral trading. Fig 1 illustrates the a hypothetical network structure of such a market. e constant D' Dealer Major Swap participant 6: Customer Fig. 1 hypothecial IRS market Note: Arrows indicate direction of floating rate payments. The counterporty makes the "opposite" fixed rate payments which are not visualized Dealers engage in interdealer trading as well as participation in ibulk" futures markets to manage cash flows/risk.
Costomers might trade of multiple dealers or with each other comall volume). It is believed that the dealer-dominated network structure reduces search easts over a customer customer Chilateral met). The In the real world customers (or dealers) much need to worrd about their counterparty not meeting their obligation. Consider the case (counterparty rist). In such cases dealers who have businesses the cash flows in cio, zo) need to be adjusted for the counterparty actually making the payment at time i. If Si is the survival probability of the counterparty at time i, the PV of the counterparty at time i, the PV of the cash flows become: PV = I CF. Si either/both parties depending on the credit risk of either party). Given the idealer-dominated network structure, the failure of a de uperhaps driver by the failure of its customers) could the ripple to other declers or tertheother customers. In order to address this regulation

now requires trades to be centrally cleared. Fig 2 shows this milt



