

FINANCIAL SECURITIZER

DEAL MODELING FOR STRUCTURED FINANCE



Financial Securitizer is an application designed for any-level finance professional to model and analyze commercial and residential mortgage-backed and general asset-backed securities. Due to its flexibility, the system can handle a wide range of processes including structuring and issuance, reverse engineering, secondary market valuation, and analysis.

Financial Securitizer has been used in all areas of structured products, including Commercial Mortgage-Backed Securities (CMBS), Auto and Credit Card Asset-Backed Securities (ABS), Collateralized Debt Obligations (CDO), Collateralized Loan Obligations (CLO), Residential Mortgage-Backed Securities (RMBS), Collateralized Mortgage Obligations (CMO), and Financial Assets Investment Securitization Trust (FASIT). It can also be used for home equity, manufactured housing, student loan, equipment lease, structured investment vehicle asset-backed securities, and asset-backed commercial paper.

In order to completely describe the collateral and bond behavior, user-specified data and rules are collected by the application as input parameters. Based on these scenario inputs, the system will be able to generate collateral and its bond cash flow as well as any specified analytical results such as price/yield table or pricing report.

FEATURES

Each deal is defined under four main sections, which are separated into tabs in the user's interface: the Deal Info, Bond Info, Collateral Info, and Scripts.

Deal Info contains general deal information, such as the dates that the deal is scheduled to start, the payment frequency of the bonds, and the number of actual bonds issued.

Bond Info contains actual bond description, such as the amount, coupon rate, price, yield, spread, and rating.

Financial Securitizer
Action Edit View Tools Help

Deal Info Bond Info Collateral Info Scripts

Deal Name:

Deal Settle Date:

Collateral Settlement Date:

Interest Accrual Date:

First Payment Date:

Interest Accrual Method:

Payment Frequency:

Servicing Fee (%):

Number of Total Actual Bonds:

Number of Calculated Bonds:

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Deal Info Bond Info Collateral Info Scripts

| | Cnu | Camt | Cwac | Cbln | Cwam | Cprc |
|---|-----|------------------|-------|------|------|------------|
| 0 | 0 | 1,500,000,000.00 | 5.061 | 58. | 58. | 100.000000 |
| 1 | 1 | 264,066.29 | 4.729 | 11 | 11 | 100.000000 |
| 2 | 2 | 38,047,138.37 | 0.521 | 23 | 23 | 100.000000 |
| 3 | 3 | 47,342,192.49 | 4.559 | 35 | 35 | 100.000000 |
| 4 | 4 | 96,871,337.89 | 5.440 | 47 | 47 | 100.000000 |
| 5 | 5 | 1,047,457,162.70 | 5.069 | 59 | 59 | 100.000000 |
| 6 | 6 | 270,018,102.26 | 5.621 | 69 | 69 | 100.000000 |

Collateral Info contains the list of the collaterals; the fields include the amount, coupon, amortization period, prepayment lockout period, and interest accrual day count.

Scripts contains a set of business rules that describe the structured transaction. These rules, combined with bond and collateral data, will allow users to create structures that suit everyone's needs.

| Cnu | Camt | Cwac | Cbln | Cwam | Cprc |
|-----|------------------|-------|------|------|------------|
| 0 | 1,500,000,000.00 | 5.061 | 58 | 58 | 100.000000 |
| 1 | 264,066.29 | 4.729 | 11 | 11 | 100.000000 |
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| 6 | 270,018,102.26 | 5.621 | 69 | 69 | 100.000000 |

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11 #- Intex shows Interest Accrual of 20030731 to
12 #- Pr: DATED to FPDATE, Using Inte
13 Bio(A1) = Bcpn(A1) / FREQ * Brbw(A1);
14 if (t==1) Bio(A1) = Bio(A1) * (btwdate(DATED,FP
15 else Bio(A1) = Bio(A1) * actual_days(t) / 30;
16
17 Brbw(PS2) = Brbw(A3) + Brbw(A4); #- includes A3
18 Brbw(PS1) = Brbw(PS2) + Brbw(C); #- includes A3
19
20 SEQUENTIAL[4, A1, A2, PS1];
21 SEQUENTIAL[PS1, (4.64%C, 95.36%PS2)]; #- using pr
22 if (Bpo(PS1) > 0.001) SEQUENTIAL[PS1, (PS2, C)]; #-
23 SEQUENTIAL[PS2, A3, A4];
24 Bio(R) = S_IO(t) - vsum(1, NBD-1, Bio);
25 Bpo(R) = S_P0(t) - vsum(1, NBD-1, Bpo);
26 WATERFALL[4, (A1, A2, A3, A4), C];
27 Bio(RESID) = S_PI(t) - vsum(1, NBD, Bio) - vsum(1, NBD, B
28

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A Complete Reporting Solution for Completing a Deal

- Financial Securitizer provides four types of reports for primary securitization:
 - Pricing Report
 - Price/Yield Table
 - Cash Flow Table
 - Decrement (DEC) Table
- Each report is time-stamped and lists the scenario and market environment used to build it.
- All of the reports can be saved and printed. In addition, cash flows can be exported to Microsoft Excel for further analysis.

The screenshots show detailed financial data. The Pricing Report includes bond details like 'Maturity' and 'Interest Rate'. The Cash Flow Table shows periodic payments and principal amounts. The Decrement (DEC) Table lists various classes and their corresponding values.