BIBLIOGRAPHY ON
HEAVY VEHICLE DYNAMICS

Compiled by:

Ann Grimm
C.B. Winkler
R. Sweet

The Research Information and Publications Center
University of Michigan
Transportation Research Institute

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Entries in this bibliography are arranged alphabetically.
The list of entries is followed by several indexes according to vehicle dynamics
subjects (pages 62 – 66).

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### Acceleration and Hill Climbing

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### Driver Control and Automatic Control

| 12 | 17 | 50 | 105 | 108 | 123 | 195 | 226 | 255 | 279 | 312 | 317 | 320 |
| 327 | 401 | 402 | 407 | 500 | 523 | 529 | 547 | 548 | 582 | 606 | 619 | 620 |
| 621 | 626 | 663 | 668 | 680 | 681 | 734 | 750 | 755 | 784 | 790 | 819 | 826 |
| 837 | 852 | 853 | 893 | 894 | 933 | 947 | 970 | 991 | 993 | 997 | 1001 | 1008 |
| 1009 | 1010 | 1030 | 1031 | 1095 | 1164 | 1171 | 1183 | 1186 | 1187 | 1192 | 1209 | 1211 |
| 1300 |

### Modeling and Simulation

| 16 | 36 | 58 | 73 | 89 | 90 | 95 | 102 | 104 | 105 | 114 | 115 | 116 |
| 117 | 118 | 121 | 124 | 125 | 129 | 140 | 148 | 159 | 188 | 189 | 195 | 197 |
| 220 | 221 | 222 | 225 | 231 | 235 | 236 | 243 | 245 | 267 | 284 | 285 | 301 |
| 303 | 304 | 305 | 310 | 312 | 315 | 318 | 322 | 324 | 325 | 337 | 378 | 381 |
| 383 | 386 | 393 | 398 | 423 | 428 | 429 | 434 | 436 | 461 | 472 | 482 |
| 486 | 491 | 493 | 498 | 500 | 510 | 511 | 512 | 538 | 542 | 546 | 551 | 553 |
| 555 | 600 | 601 | 602 | 615 | 616 | 617 | 648 | 676 | 678 | 697 | 703 | 704 |
| 724 | 725 | 729 | 743 | 750 | 753 | 757 | 761 | 762 | 781 | 791 | 794 | 808 |
| 813 | 820 | 827 | 828 | 831 | 842 | 843 | 854 | 867 | 869 | 889 | 900 | 930 |
| 953 | 955 | 959 | 963 | 984 | 988 | 995 | 1013 | 1019 | 1020 | 1021 | 1028 | 1035 |
| 1036 | 1049 | 1058 | 1065 | 1077 | 1081 | 1090 | 1098 | 1099 | 1100 | 1101 | 1126 | 1130 |
| 1132 | 1143 | 1144 | 1147 | 1166 | 1167 | 1172 | 1173 | 1176 | 1177 | 1179 | 1188 | 1217 |
| 1219 | 1225 | 1247 | 1257 | 1258 | 1275 |

### Regulations

| 6 | 15 | 28 | 31 | 55 | 65 | 72 | 83 | 92 | 94 | 128 | 133 | 149 |
| 199 | 211 | 287 | 293 | 294 | 296 | 300 | 378 | 389 | 399 | 406 | 407 | 430 |
| 490 | 555 | 586 | 609 | 769 | 783 | 789 | 799 | 832 | 846 | 872 | 903 | 907 |
| 919 | 934 | 935 | 936 | 937 | 978 | 979 | 992 | 1039 | 1042 | 1083 | 1121 | 1161 |
| 1184 | 1206 | 1237 | 1238 | 1240 | 1280 | 1283 | 1294 |

### Accidents, Statistics, Safety, Systems Analyses

| 6 | 13 | 34 | 37 | 44 | 46 | 47 | 48 | 49 | 50 | 51 | 54 | 56 |
| 57 | 64 | 66 | 67 | 68 | 70 | 71 | 72 | 82 | 83 | 103 | 143 | 144 |
| 156 | 167 | 171 | 173 | 174 | 175 | 178 | 179 | 180 | 181 | 182 | 211 | 212 |
| 213 | 214 | 215 | 228 | 232 | 269 | 275 | 277 | 278 | 281 | 288 | 289 | 296 |
| 397 | 403 | 405 | 408 | 410 | 411 | 413 | 424 | 445 | 450 | 467 | 474 | 475 |
| 490 | 500 | 513 | 532 | 533 | 534 | 536 | 542 | 545 | 591 | 593 | 598 | 604 |
| 633 | 634 | 635 | 649 | 653 | 654 | 655 | 684 | 687 | 690 | 698 | 699 | 700 |
| 709 | 723 | 731 | 732 | 764 | 769 | 783 | 789 | 790 | 791 | 792 | 793 | 794 |
| 796 | 802 | 804 | 805 | 832 | 879 | 884 | 885 | 888 | 890 | 900 | 902 | 904 |
| 905 | 910 | 976 | 978 | 979 | 980 | 982 | 984 | 998 | 1000 | 1029 | 1034 | 1037 |
| 1039 | 1044 | 1046 | 1056 | 1059 | 1067 | 1068 | 1071 | 1072 | 1082 | 1110 | 1114 | 1115 |
| 1133 | 1141 | 1151 | 1180 | 1181 | 1196 | 1197 | 1201 | 1206 | 1211 | 1225 | 1231 | 1233 |
| 1235 | 1243 | 1246 | 1276 | 1306 |
### Road Geometry and Offtracking

| 15 | 26 | 27 | 40 | 41 | 43 | 56 | 65 | 84 | 132 | 134 | 136 | 153 |
| 183 | 198 | 208 | 253 | 269 | 288 | 289 | 300 | 310 | 338 | 340 | 352 | 355 |
| 358 | 359 | 360 | 365 | 366 | 369 | 371 | 389 | 397 | 405 | 406 | 407 | 408 |
| 412 | 413 | 425 | 426 | 440 | 441 | 446 | 447 | 448 | 475 | 476 | 477 | 478 |
| 487 | 500 | 517 | 518 | 519 | 520 | 549 | 577 | 581 | 582 | 587 | 622 | 644 |
| 645 | 679 | 689 | 721 | 722 | 746 | 748 | 751 | 758 | 764 | 769 | 782 | 783 |
| 785 | 802 | 804 | 807 | 857 | 886 | 898 | 945 | 979 | 1017 | 1018 | 1024 | 1036 |
| 1056 | 1064 | 1085 | 1090 | 1096 | 1110 | 1114 | 1118 | 1152 | 1193 | 1196 | 1232 | 1286 |
| 1289 | 1290 | 1306 | 1307 | 1308 | 1309 | 1313 |

### Vehicle/Roadway Interactions

| 24 | 38 | 39 | 42 | 71 | 75 | 79 | 81 | 83 | 130 | 135 | 139 | 152 |
| 161 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 201 | 203 | 204 | 205 | 206 |
| 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 226 | 227 | 229 | 244 | 251 |
| 252 | 260 | 268 | 286 | 311 | 405 | 462 | 464 | 494 | 495 | 496 | 500 | 515 |
| 543 | 544 | 545 | 557 | 558 | 559 | 560 | 564 | 565 | 566 | 573 | 588 | 589 |
| 590 | 592 | 641 | 665 | 666 | 667 | 675 | 696 | 706 | 707 | 715 | 716 | 736 |
| 759 | 760 | 768 | 769 | 779 | 821 | 822 | 829 | 835 | 840 | 848 | 849 | 878 |
| 903 | 923 | 924 | 933 | 977 | 981 | 1011 | 1014 | 1015 | 1016 | 1038 | 1051 | 1066 |
| 1073 | 1074 | 1089 | 1090 | 1097 | 1109 | 1111 | 1112 | 1121 | 1138 | 1139 | 1140 | 1144 |
| 1148 | 1155 | 1165 | 1191 | 1199 | 1204 | 1205 | 1208 | 1273 | 1278 | 1282 | 1283 | 1284 |
| 1285 | 1288 | 1294 | 1302 | 1311 | 1312 |

### Automatic vehicle control

| 167 | 191 | 196 | 197 | 336 | 414 | 418 | 605 | 613 | 733 | 735 | 825 | 896 |
| 913 | 1048 | 1102 | 1127 | 1132 | 1167 | 1297 | 1298 | 1299 | 1301 |