|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Social Force Parameters** | **Pedestrian type’s parameters** | | | | | | **Sharing parameters** |
| **Children** | | **Adults** | | **Elders** | |
| **Avg.** | **Std.** | **Avg.** | **Std.** | **Avg.** | **Std.** |
| (m/s) | 1.38 | 0.1 | **1.3** | 0.1 | 0.61 | 0.1 | =1.3  = 0.75  U=10.0  meanradii=0.3  sdradii=0.05 |
| (s) | 1.25 | 0.1 | **1.0** | 0.1 | 0.5 | 0.1 |
| ***A***(m/s2) | 1.3 | 0.1 | **3.0** | 0.1 | 0.67 | 0.1 |
| ***B***(m) | 0.33 | 0.1 | **0.3** | 0.1 | 0.67 | 0.1 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Population** = 70 (equal percentages for pedestrian types)  **Total monitoring duration** = 100s  Each sampling time is simulated 20 times | | | | | | | |
| **Experimental Id** | **Intersection time** | **Total escaped number in t=100** | | **Time of last escape**  ***A = maximum*** | | **Escaped number at time *A*** | |
| *P*difference | *P*average | *P*difference | *P*average | *P*difference | *P*average |
| **1** | **--** | **70** | **58** | **70** | **63** | **70** | **58** |
| 2 | -- | 70 | 68 | 77 | 100 | 70 | 68 |
| **3** | **--** | **70** | **49** | **68** | **43** | **70** | **49** |
| **4** | **--** | **70** | **60** | **73** | **64** | **70** | **60** |
| 5 | -- | 70 | 70 | 68 | 87 | 70 | 70 |
| **6** | **--** | **69** | **41** | **65** | **39** | **69** | **41** |
| 7 | -- | 70 | 68 | 72 | 100 | 70 | 68 |
| 8 | -- | 70 | 68 | 67 | 100 | 70 | 68 |
| **9** | **--** | **70** | **60** | **74** | **66** | **70** | **60** |
| 10 | -- | 70 | 70 | 69 | 93 | 70 | 70 |
| 11 | -- | 68 | 70 | 70 | 87 | 68 | 70 |
| 12 | -- | 70 | 68 | 66 | 90 | 70 | 68 |
| 13 | -- | 70 | 68 | 70 | 100 | 70 | 68 |
| **14** | **--** | **70** | **60** | **75** | **63** | **70** | **60** |
| 15 | -- | 70 | 68 | 65 | 100 | 70 | 68 |
| 16 | -- | 70 | 68 | 70 | 90 | 70 | 68 |
| 17 | -- | 70 | 70 | 70 | 83 | 70 | 70 |
| 18 | 16 | 70 | 68 | 68 | 95 | 70 | 68 |
| 19 | -- | 70 | 68 | 70 | 91 | 70 | 68 |
| 20 | -- | 70 | 66 | 65 | 80 | 70 | 66 |
| **21** | **--** | **68** | **53** | **70** | **44** | **68** | **53** |
| 22 | -- | 70 | 67 | 73 | 90 | 70 | 67 |
| 23 | -- | 70 | 67 | 79 | 80 | 70 | 67 |
| 24 | -- | 70 | 67 | 77 | 78 | 70 | 67 |
| 25 | -- | 70 | 70 | 69 | 87 | 70 | 70 |
| 26 | -- | 70 | 70 | 78 | 75 | 70 | 70 |
| 27 | -- | 70 | 67 | 79 | 85 | 70 | 67 |
| 28 | -- | 67 | 67 | 78 | 76 | 67 | 67 |
| 29 | -- | 70 | 70 | 75 | 83 | 70 | 66 |
| 30 | -- | 70 | 66 | 83 | 73 | 70 | 66 |
| 31 | -- | 68 | 68 | 71 | 77 | 68 | 68 |
| 32 | -- | 70 | 65 | 93 | 100 | 70 | 65 |
| 33 | 48 | 70 | 70 | 81 | 93 | 70 | 70 |
| 34 | -- | 68 | 70 | 82 | 89 | 68 | 70 |
| 35 | -- | 70 | 70 | 78 | 83 | 70 | 70 |
| **36** | **--** | **70** | **58** | **73** | **57** | **70** | **58** |
| 37 | -- | 70 | 70 | 72 | 82 | 70 | 70 |
| 38 | -- | 68 | 70 | 65 | 86 | 68 | 70 |
| 39 | -- | 68 | 67 | 74 | 92 | 68 | 67 |
| 40 | -- | 70 | 67 | 74 | 86 | 70 | 67 |
| 41 | 47 | 70 | 65 | 77 | 70 | 70 | 65 |
| 42 | -- | 70 | 68 | 66 | 84 | 70 | 68 |
| 43 | -- | 70 | 70 | 69 | 96 | 70 | 70 |
| **44** | **51** | **70** | **58** | **76** | **55** | **70** | **58** |
| 45 | -- | 70 | 64 | 98 | 78 | 70 | 64 |
| 46 | 53 | 70 | 70 | 71 | 90 | 70 | 70 |
| **47** | **50** | **70** | **64** | **76** | **74** | **70** | **64** |
| **48** | **51** | **70** | **56** | **81** | **51** | **70** | **56** |
| 49 | 50 | 68 | 63 | 66 | 74 | 68 | 63 |
| 50 | -- | 70 | 65 | 65 | 92 | 70 | 65 |
| 51 | -- | 70 | 67 | 72 | 81 | 70 | 67 |
| 52 | 28 | 70 | 68 | 64 | 82 | 70 | 68 |
| 53 | -- | 70 | 68 | 75 | 80 | 70 | 68 |
| 54 | -- | 70 | 70 | 72 | 92 | 70 | 70 |
| 55 | -- | 60 | 66 | 55 | 81 | 60 | 66 |
| 56 | -- | 70 | 70 | 72 | 84 | 70 | 70 |
| 57 | -- | 70 | 66 | 72 | 82 | 70 | 66 |
| 58 | -- | 68 | 68 | 66 | 83 | 68 | 68 |
| 59 | 43 | 70 | 62 | 80 | 73 | 70 | 62 |
| 60 | 46 | 70 | 68 | 70 | 97 | 70 | 68 |
| **61** | **--** | **68** | **63** | **68** | **98** | **68** | **63** |
| 62 | 51 | 69 | 66 | 68 | 98 | 69 | 66 |
| 63 | -- | 68 | 67 | 65 | 95 | 68 | 67 |
| 64 | -- | 68 | 69 | 70 | 85 | 68 | 69 |
| 65 | -- | 70 | 67 | 78 | 75 | 70 | 67 |
| 66 | -- | 70 | 70 | 72 | 84 | 70 | 70 |
| **67** | **36** | **70** | **67** | **73** | **71** | **70** | **67** |
| 68 | -- | 68 | 69 | 62 | 85 | 68 | 69 |
| **69** | **78** | **68** | **59** | **91** | **53** | **68** | **59** |
| 70 | -- | 68 | 70 | 67 | 92 | 68 | 70 |
| **71** | **45** | **70** | **61** | **70** | **55** | **70** | **61** |
| 72 | -- | 70 | 70 | 80 | 87 | 70 | 70 |
| 73 | -- | 70 | 67 | 74 | 75 | 70 | 67 |
| **74** | **59** | **70** | **67** | **74** | **73** | **70** | **67** |
| 75 | -- | 62 | 64 | 58 | 67 | 62 | 64 |
| 76 | -- | 66 | 66 | 98 | 68 | 66 | 66 |
| **77** | **36** | **70** | **63** | **71** | **71** | **70** | **63** |
| **78** | **45** | **70** | **67** | **70** | **69** | **70** | **67** |
| **79** | **56** | **70** | **65** | **77** | **69** | **70** | **65** |
| 80 | -- | 67 | 69 | 67 | 94 | 67 | 69 |
| **81** | **48** | **70** | **64** | **78** | **70** | **70** | **64** |
| 82 | 53 | 70 | 70 | 74 | 84 | 70 | 70 |
| **83** | **43** | **70** | **66** | **74** | **71** | **70** | **66** |
| **84** | **45** | **68** | **59** | **71** | **60** | **68** | **59** |
| **85** | **--** | **70** | **68** | **84** | **80** | **70** | **68** |
| 86 | -- | 63 | 64 | 62 | 68 | 63 | 64 |
| 87 | 42 | 70 | 65 | 75 | 100 | 70 | 65 |
| 88 | -- | 67 | 66 | 65 | 75 | 67 | 66 |
| **89** | **--** | **70** | **65** | **83** | **74** | **70** | **65** |
| 90 | -- | 70 | 69 | 77 | 94 | 70 | 69 |
| 91 | -- | 70 | 69 | 74 | 97 | 70 | 69 |
| 92 | -- | 70 | 70 | 81 | 95 | 70 | 70 |
| **93** | **--** | **68** | **61** | **72** | **60** | **68** | **61** |
| 94 | -- | 70 | 70 | 77 | 96 | 70 | 70 |
| 95 | -- | 70 | 69 | 72 | 81 | 70 | 69 |
| 96 | -- | 70 | 70 | 73 | 96 | 70 | 70 |
| 97 | -- | 70 | 68 | 78 | 90 | 70 | 70 |
| 98 | -- | 70 | 70 | 67 | 98 | 70 | 70 |
| 99 | -- | 70 | 69 | 95 | 89 | 70 | 69 |
| 100 | -- | 70 | 69 | 73 | 94 | 70 | 69 |
| 101 | -- | 62 | 66 | 62 | 96 | 62 | 66 |
| 102 | -- | 70 | 69 | 77 | 90 | 70 | 69 |
| **103** | **50** | **70** | **52** | **74** | **46** | **70** | **52** |
| **104** | **--** | **68** | **59** | **67** | **61** | **68** | **59** |
| 105 | -- | 68 | 68 | 81 | 70 | 68 | 68 |
| 106 | -- | 68 | 65 | 79 | 64 | 68 | 65 |
| 107 | -- | 70 | 69 | 72 | 97 | 70 | 69 |
| 108 | -- | 67 | 68 | 67 | 97 | 67 | 68 |
| 109 | -- | 66 | 67 | 66 | 92 | 66 | 67 |
| **110** | **--** | **70** | **61** | **78** | **59** | **70** | **61** |
| 111 | -- | 70 | 65 | 73 | 85 | 70 | 65 |
| 112 | -- | 64 | 66 | 64 | 94 | 64 | 66 |
| 113 | -- | 70 | 68 | 79 | 90 | 70 | 68 |
| 114 | -- | 70 | 68 | 71 | 94 | 70 | 68 |
| **115** | **40** | **70** | **62** | **80** | **70** | **70** | **62** |
| 116 | -- | 70 | 62 | 73 | 97 | 70 | 62 |
| **117** | **43** | **68** | **59** | **74** | **62** | **68** | **59** |
| **118** | **21** | **70** | **59** | **76** | **66** | **70** | **59** |
| 119 | -- | 70 | 68 | 86 | 90 | 70 | 68 |
| 120 | -- | 68 | 68 | 68 | 91 | 68 | 68 |
| 121 | -- | 68 | 68 | 68 | 82 | 68 | 68 |
| **122** | **56** | **70** | **56** | **82** | **50** | **70** | **56** |
| 123 | 50 | 70 | 68 | 69 | 92 | 70 | 68 |
| 124 | 56 | 65 | 64 | 64 | 95 | 65 | 64 |
| 125 | 57 | 68 | 68 | 68 | 83 | 68 | 68 |
| 126 | -- | 70 | 68 | 79 | 75 | 70 | 68 |
| 127 | 65 | 70 | 69 | 76 | 99 | 70 | 69 |
| 128 | 55 | 70 | 65 | 75 | 70 | 70 | 65 |
| 129 | 65 | 70 | 65 | 79 | 69 | 70 | 65 |
| 130 | 65 | 68 | 67 | 70 | 70 | 68 | 67 |
| 131 | 51 | 70 | 68 | 70 | 86 | 70 | 68 |
| 132 | 65 | 68 | 66 | 71 | 80 | 68 | 66 |
| 133 | -- | 70 | 67 | 73 | 83 | 70 | 67 |
| 134 | 58 | 70 | 68 | 74 | 84 | 70 | 68 |
| 135 | 55 | 70 | 68 | 74 | 85 | 70 | 68 |
| 136 | 39 | 68 | 66 | 68 | 98 | 68 | 66 |
| 137 | 44 | 70 | 68 | 78 | 96 | 70 | 68 |
| 138 | 50 | 70 | 66 | 74 | 80 | 70 | 66 |
| 139 | 65 | 70 | 69 | 72 | 78 | 70 | 69 |
| 140 | -- | 70 | 68 | 82 | 84 | 70 | 68 |
| 141 | 30 | 68 | 69 | 61 | 87 | 68 | 69 |
| 142 | 35 | 70 | 68 | 69 | 83 | 70 | 68 |
| 143 | 27 | 68 | 65 | 65 | 75 | 68 | 65 |
| 144 | 25 | 70 | 69 | 67 | 95 | 70 | 69 |
| 145 | 53 | 70 | 65 | 73 | 75 | 70 | 65 |
| 146 | 44 | 70 | 70 | 68 | 85 | 70 | 70 |
| 147 | -- | 68 | 70 | 61 | 89 | 68 | 70 |
| 148 | 57 | 70 | 70 | 74 | 88 | 70 | 70 |
| 149 | -- | 70 | 65 | 68 | 76 | 70 | 65 |
| 150 | 45 | 70 | 65 | 71 | 75 | 70 | 65 |
| 151 | -- | 70 | 68 | 69 | 85 | 70 | 68 |
| **152** | **43** | **70** | **61** | **69** | **61** | **70** | **61** |
| **153** | **56** | **70** | **63** | **72** | **60** | **70** | **63** |
| 154 | 33 | 70 | 67 | 65 | 80 | 70 | 67 |
| **155** | **41** | **70** | **67** | **70** | **69** | **70** | **67** |
| 156 | 83 | 70 | 70 | 89 | 92 | 70 | 70 |
| 157 | 43 | 70 | 70 | 70 | 86 | 70 | 70 |
| 158 | 35 | 70 | 68 | 74 | 97 | 70 | 68 |
| 159 | -- | 68 | 69 | 69 | 91 | 68 | 69 |
| 160 | 44 | 67 | 68 | 66 | 90 | 67 | 68 |
| 161 | 43 | 65 | 65 | 53 | 99 | 65 | 65 |
| 162 | -- | 70 | 69 | 79 | 82 | 70 | 69 |
| 163 | -- | 65 | 61 | 70 | 59 | 65 | 61 |
| **164** | **--** | **70** | **63** | **74** | **57** | **70** | **63** |
| 165 | -- | 68 | 64 | 66 | 66 | 68 | 64 |
| 166 | 55 | 70 | 67 | 74 | 76 | 70 | 67 |
| 167 | 45 | 70 | 69 | 73 | 88 | 70 | 69 |
| **168** | **55** | **68** | **60** | **74** | **55** | **68** | **60** |
| 169 | -- | 70 | 69 | 73 | 85 | 70 | 69 |
| 170 | -- | 68 | 68 | 65 | 85 | 68 | 68 |
| 171 | 40 | 70 | 67 | 73 | 87 | 70 | 67 |
| 172 | -- | 68 | 67 | 67 | 88 | 68 | 67 |
| 173 | -- | 70 | 69 | 76 | 93 | 70 | 69 |
| **174** | **44** | **70** | **62** | **82** | **57** | **70** | **62** |
| 175 | -- | 70 | 69 | 72 | 87 | 70 | 69 |
| 176 | -- | 68 | 69 | 65 | 95 | 68 | 69 |
| **177** | **--** | **70** | **68** | **82** | **73** | **70** | **68** |
| 178 | 56 | 68 | 68 | 68 | 82 | 68 | 68 |
| 179 | 63 | 70 | 69 | 81 | 84 | 70 | 69 |
| **180** | **--** | **70** | **62** | **76** | **60** | **70** | **62** |
| 181 | 55 | 70 | 69 | 74 | 86 | 70 | 69 |
| 182 | 43 | 70 | 68 | 72 | 83 | 70 | 68 |
| 183 | 55 | 70 | 69 | 74 | 94 | 70 | 69 |
| 184 | 65 | 70 | 69 | 81 | 96 | 70 | 69 |
| **185** | **58** | **70** | **68** | **78** | **76** | **70** | **68** |
| **186** | **49** | **70** | **65** | **76** | **80** | **70** | **65** |
| **187** | **43** | **70** | **64** | **76** | **90** | **70** | **64** |
| 188 | 45 | 70 | 67 | 71 | 94 | 70 | 67 |
| 189 | 50 | 70 | 69 | 71 | 90 | 70 | 69 |
| **190** | **50** | **70** | **66** | **74** | **80** | **70** | **66** |
| **191** | **--** | **70** | **66** | **78** | **95** | **70** | **66** |
| 192 | 34 | 70 | 54 | 77 | 63 | 70 | 54 |
| 193 | 43 | 70 | 70 | 74 | 94 | 70 | 70 |
| 194 | 85 | 70 | 66 | 97 | 78 | 70 | 66 |
| **195** | **45** | **70** | **60** | **78** | **60** | **70** | **60** |
| 196 | 44 | 68 | 69 | 73 | 94 | 68 | 69 |
| **197** | **54** | **70** | **62** | **74** | **61** | **70** | **62** |
| 198 | -- | 63 | 68 | 58 | 92 | 63 | 68 |
| 199 | -- | 70 | 68 | 80 | 83 | 70 | 68 |
| 200 | 46 | 70 | 69 | 70 | 97 | 70 | 69 |