

Regenintensität nach Hörler und Rhein

Gujer 2012 S. 208

- Eingabefeld
- Resultatfeld
- Solver

nach r und Q aufgelöst:

| | | | | | |
|---------------------|------|---------------------|-----------|-----------|-----------|
| Jährlichkeit | z | 2 Jahre | 5 | 10 | 20 |
| Ort | | Güttingen | Güttingen | Güttingen | Güttingen |
| Ortskonstante | C | 1.6 | 1.6 | 1.6 | 1.6 |
| Jährlichkeitsfaktor | h(z) | 1.5 | 2.1 | 2.6 | 3.1 |
| Ortskonstante | G | 82.1 l/(s ha) | 82.1 | 82.1 | 82.1 |
| Ortskonstante | B | 21.7 min | 21.7 | 21.7 | 21.7 |
| Ortskonstante | K(z) | 4498.2 l min/(ha s) | 6462.1 | 7947.6 | 9433.2 |

| Ort | B | G | C |
|-----------|------|------|-----|
| Güttingen | 21.7 | 82.1 | 1.6 |

| T [min] | r(z=2) | r(z=5) | r(z=10) | r(z=20) |
|---------|------------|--------|---------|---------|
| 10 | 142 l/s/ha | 204 | 251 | 298 |
| 20 | 108 l/s/ha | 155 | 191 | 226 |
| 30 | 87 l/s/ha | 125 | 154 | 182 |
| 40 | 73 l/s/ha | 105 | 129 | 153 |
| 50 | 63 l/s/ha | 90 | 111 | 132 |
| 60 | 55 l/s/ha | 79 | 97 | 115 |
| 70 | 49 l/s/ha | 70 | 87 | 103 |
| 80 | 44 l/s/ha | 64 | 78 | 93 |
| 90 | 40 l/s/ha | 58 | 71 | 84 |
| 120 | 32 l/s/ha | 46 | 56 | 67 |
| 150 | 26 l/s/ha | 38 | 46 | 55 |
| 180 | 22 l/s/ha | 32 | 39 | 47 |
| 210 | 19 l/s/ha | 28 | 34 | 41 |
| 240 | 17 l/s/ha | 25 | 30 | 36 |
| 270 | 15 l/s/ha | 22 | 27 | 32 |
| 300 | 14 l/s/ha | 20 | 25 | 29 |

| T | z = 2 | z = 5 | z = 10 | z = 20 |
|-------|----------|----------|----------|----------|
| [min] | [l/s/ha] | [l/s/ha] | [l/s/ha] | [l/s/ha] |
| 10 | 148.7 | 208.3 | 251.1 | 294.8 |
| 20 | 114.9 | 159.4 | 188.9 | 217.1 |
| 30 | 88.2 | 125.9 | 153.1 | 180.9 |
| 40 | 69.8 | 102.0 | 127.4 | 155.2 |
| 50 | 58.0 | 85.6 | 108.3 | 134.1 |
| 60 | 49.5 | 74.4 | 96.1 | 122.2 |
| 70 | 43.3 | 65.1 | 85.3 | 110.8 |
| 80 | 38.6 | 57.8 | 77.5 | 103.9 |
| 90 | 36.0 | 52.8 | 69.1 | 90.4 |
| 120 | 30.5 | 43.1 | 53.7 | 66.0 |
| 150 | 26.1 | 36.2 | 44.9 | 55.3 |
| 180 | 23.3 | 31.7 | 39.1 | 48.1 |
| 210 | 20.9 | 28.4 | 35.2 | 43.8 |
| 240 | 19.1 | 25.8 | 31.8 | 39.1 |
| 270 | 17.4 | 23.5 | 29.5 | 37.2 |
| 300 | 16.1 | 21.8 | 27.8 | 36.1 |

| Diff*2 | |
|---------------|---------------|
| 74.88 | |
| 155.44 | |
| 5.21 | |
| 24.93 | |
| 56.54 | |
| 99.25 | |
| 126.72 | |
| 189.39 | |
| 83.00 | |
| 14.07 | |
| 4.27 | |
| 2.79 | |
| 12.57 | |
| 16.10 | |
| 34.05 | |
| 63.31 | |
| Summe: | 962.49 |
| Minimieren | |

