

HEBREW/SCALE MATRIX

Main Jewish Modes:

| Number | Hebrew         | Uri Harel | Linear        |             |               |                            | 3 blocks (9 note scales)    |                              |               | Linear retrograde |               |    |    |    |    |    |   |
|--------|----------------|-----------|---------------|-------------|---------------|----------------------------|-----------------------------|------------------------------|---------------|-------------------|---------------|----|----|----|----|----|---|
|        |                |           | Ahavah Rabbah | Magein Avot | Adonai Malach | Ahavah Rabba + Magein Avot | Magein Avot + Adonai Malach | Ahavah Rabba + Adonai Malach | Ahavah Rabbah | Magein Avot       | Adonai Malach |    |    |    |    |    |   |
| 1      | Aleph          | C         | C             | C           | C             | C                          | C                           | C                            | C             | C                 | C             | C  | C  | C  | C  | C  |   |
| 2      | Beth           | D         | Db            | D           | D             | Db                         | D                           | Db                           | Bb            | Bb                | Bb            | Bb | Bb | Bb | Bb | Bb |   |
| 3      | Gimel          | E         | E             | Eb          | E             | D                          | Eb                          | D                            | Ab            | Ab                | A             | Ab | Ab | A  | A  | A  |   |
| 4      | Daleth         | F         | F             | F           | F             | Eb                         | E                           | E                            | G             | G                 | G             | G  | G  | G  | G  | G  |   |
| 5      | He             | G         | G             | G           | G             | E                          | F                           | F                            | F             | F                 | F             | F  | F  | F  | F  | F  |   |
| 6      | Vau            | A         | Ab            | Ab          | A             | F                          | G                           | G                            | E             | Eb                | E             | Eb | E  | E  | E  | E  |   |
| 7      | Zayin          | B         | Bb            | Bb          | Bb            | G                          | Ab                          | Ab                           | Db            | D                 | D             | Db | D  | D  | D  | D  |   |
| 8      | Cheth          | C         | C             | C           | C             | Ab                         | A                           | A                            | C             | C                 | C             | C  | C  | C  | C  | C  |   |
| 9      | Teth           | D         | Db            | D           | D             | Bb                         | Bb                          | Bb                           | Bb            | Bb                | Bb            | Bb | Bb | Bb | Bb | Bb |   |
| 10     | Yod            | E         | E             | Eb          | E             | C                          | C                           | C                            | Ab            | Ab                | A             | Ab | Ab | A  | A  | A  |   |
| 20     | Kaph           | F         | F             | F           | F             | Db                         | D                           | Db                           | G             | G                 | G             | G  | G  | G  | G  | G  |   |
| 30     | Lamed          | G         | G             | G           | G             | D                          | Eb                          | D                            | F             | F                 | F             | F  | F  | F  | F  | F  |   |
| 40     | Mem            | A         | Ab            | Ab          | A             | Eb                         | E                           | E                            | E             | Eb                | E             | Eb | E  | E  | E  | E  |   |
| 50     | Nun            | B         | Bb            | Bb          | Bb            | E                          | F                           | F                            | Db            | D                 | D             | Db | D  | D  | D  | D  |   |
| 60     | Samekh         | C         | C             | C           | C             | F                          | G                           | G                            | C             | C                 | C             | C  | C  | C  | C  | C  |   |
| 70     | A'ayin         | D         | Db            | D           | D             | G                          | Ab                          | Ab                           | Bb            | Bb                | Bb            | Bb | Bb | Bb | Bb | Bb |   |
| 80     | Pe             | E         | E             | Eb          | E             | Ab                         | A                           | A                            | Ab            | Ab                | A             | Ab | Ab | A  | A  | A  |   |
| 90     | Tzaddi         | F         | F             | F           | F             | Bb                         | Bb                          | Bb                           | G             | G                 | G             | G  | G  | G  | G  | G  |   |
| 100    | Qoph           | G         | G             | G           | G             | C                          | C                           | C                            | F             | F                 | F             | F  | F  | F  | F  | F  |   |
| 200    | Resh           | A         | Ab            | Ab          | A             | Db                         | D                           | Db                           | E             | Eb                | E             | Eb | E  | E  | E  | E  |   |
| 300    | Shin           | B         | Bb            | Bb          | Bb            | D                          | Eb                          | D                            | Db            | D                 | D             | Db | D  | D  | D  | D  |   |
| 400    | Tau            | C         | C             | C           | C             | Eb                         | E                           | E                            | C             | C                 | C             | C  | C  | C  | C  | C  |   |
| 500    | Kaph - Sofit   |           | Db            | F           | D             | F                          | D                           | F                            | E             | F                 | F             | Bb | G  | Bb | G  | Bb | G |
| 600    | Mem - Sofit    |           | E             | Ab          | Eb            | Ab                         | E                           | A                            | F             | G                 | G             | Ab | E  | Ab | Eb | A  | E |
| 700    | Nun - Sofit    |           | F             | Bb          | F             | Bb                         | F                           | Bb                           | G             | Ab                | Ab            | G  | Db | G  | D  | G  | D |
| 800    | Pe- Sofit      |           | G             | E           | G             | Eb                         | G                           | E                            | Ab            | A                 | A             | F  | Ab | F  | Ab | F  | A |
| 900    | Tzaddi - Sofit |           | Ab            | Ab          | A             |                            | Bb                          | Bb                           | Bb            | E                 | E             | Eb | E  | E  | E  | E  | E |