

Online Resource 1 Calculated colour parameters of stimuli

<i>Apis mellifera</i>	I1	I2	I3	I4	SP1	SP2	SP3	SP4
UV receptor	0.3791	0.4104	0.4683	0.5219	0.4581	0.4412	0.4182	0.4037
Blue receptor	0.4983	0.5440	0.5852	0.6127	0.5235	0.5293	0.5451	0.5433
Greenreceptor	0.3617	0.3992	0.4467	0.4954	0.4421	0.4226	0.4156	0.3890
Colour contrast	0.1288	0.1395	0.1291	0.1065	0.0748	0.0987	0.1282	0.1475
Green contrast	-0.1383	-0.1008	-0.0533	-0.0046	-0.0579	-0.0774	-0.0844	-0.1110
Blue contrast	-0.0017	0.0440	0.0852	0.1127	0.0235	0.0293	0.0451	0.0433
Brightness contrast	1.2391	1.3536	1.5002	1.6300	1.4236	1.3931	1.3789	1.3360
Spectral purity	0.2734	0.2955	0.2857	0.2459	0.1694	0.2177	0.2721	0.3154
Intensity	0.4130	0.4512	0.5001	0.5433	0.4745	0.4644	0.4596	0.4453
<i>Trigona spinipes</i>	I1	I2	I3	I4	SP1	SP2	SP3	SP4
UV receptor	0.3750	0.4046	0.4643	0.5199	0.4569	0.4389	0.4400	0.3979
Blue receptor	0.4962	0.5416	0.5833	0.6109	0.5224	0.5278	0.5794	0.5409
Green receptor	0.3416	0.3774	0.4255	0.4776	0.4300	0.4068	0.4311	0.3658
Colour contrast	0.1410	0.1524	0.1424	0.1180	0.0823	0.1086	0.1440	0.1614
Green contrast	-0.1584	-0.1226	-0.0745	-0.0224	-0.0700	-0.0932	-0.0689	-0.1342
Blue contrast	-0.0038	0.0416	0.0833	0.1109	0.0224	0.0278	0.0794	0.0409
Brightness contrast	1.2128	1.3235	1.4731	1.6084	1.4093	1.3735	1.4506	1.3046
Spectral purity	0.2807	0.2966	0.2946	0.2545	0.1731	0.2308	0.2807	0.3333
Intensity	0.4043	0.4412	0.4910	0.5361	0.4698	0.4578	0.4835	0.4349