Surprise based attention model

Total points 4/4

Time limit: 10 minutes

The respondent's email (**m22cs060@iitj.ac.in**) was recorded on submission of this form.

✓ In information theory based model for saliency, it is assumed that * 1/1

- ○ The salient objects are large and occupy significant area of an image
- ○ Object size does not matter
- ◉ The salient objects are small and occupies a very small part of the image ✓

✓ In information theory based model of attention, saliency is based on * 1/1

- ○ local contrasts (color, intensity, orientation)
- ◉ global minima of probability density function over an image ✓

✓ What causes "surprise" is * 1/1

- ○ Familiarity with the observed image features
- ◉ Unfamiliarity with the observed image features ✓

✓ In Bayesian model of attention, saliency of a scene is more, when * 1/1

- ☑ The likelihood of the observed data by the prior environmental model is lower ✓
- ☐ There is little change in posterior belief of the environmental model as a result of observed data
- ☑ There is more change in posterior belief of the environmental model as a result of observed data ✓
- ☐ The likelihood of the observed data by the prior environmental model is higher