

PPD – Petrophysical Property Distribution

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= {1,2,3,4 ...}.

- 1.
- 2.

c = [0,1]

1.

2.

$$\{V_i\} \quad \sum_i V_i = 1, \quad V_i \in [0, 1]$$

1.

2.

SHF.

$$1. \quad \mathbf{r} = (x, y, z)$$

$$2. \quad k_h : k_h = k_h(\mathbf{r})$$

$$3. \quad k_h(\mathbf{r}) = k_h(\mathbf{r})$$

$$4. \quad \tan(\mathbf{r}) = k_y/k_x$$

$$5. \quad k_x(\mathbf{r}) = k_h(\mathbf{r}) \cos(\mathbf{r}) \quad k_y(\mathbf{r}) = k_h(\mathbf{r}) \sin(\mathbf{r})$$

$$6. \quad \langle k_y/k_h \rangle$$

$$7. \quad k_z(\mathbf{r}) = \langle k_y/k_h \rangle k_h(\mathbf{r}) \cos(\mathbf{r}), \quad \mathbf{r} = (x, y, z)$$

1. -
 2. k_h
 3. k_h
 4. $\tan(\theta) = k_y/k_x$
 5. $k_x(\mathbf{r}) = k_h(\mathbf{r}) \cos(\theta)$ $k_y(\mathbf{r}) = k_h(\mathbf{r}) \sin(\theta)$
 6. $\langle k/k_h \rangle$
 7. $k_z(\mathbf{r}) = \langle k/k_h \rangle k_h(\mathbf{r}) \cos(\theta)$, $(\mathbf{r}) = (x, y, z)$ z
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